US Army Corps
of Engineers®

Summary Report

SEPTEMBER 2000

UNITED STATES OF AMERICA

Ocean Dumping Report for Calendar Year

1999

DREDGED MATERIAL

UNITED STATES OF AMERICA

OCEAN DUMPING

REPORT FOR

CALENDAR YEAR

1999

DREDGED MATERIAL

Prepared by Headquarters, U. S. Army Corps of Engineers

20 Massachusetts Ave. N.W.

Washington, D.C. 20314-1000

SEPTEMBER 2000

Background

Under the authority of the International Maritime Organization (IMO), the United States and all other contracting nations to the Convention on the Prevention of Marine Pollution by Dumping of Wastes and Other Matter are required to submit an annual report for each ocean disposal operation. The U.S. Army Corps of Engineers has been tasked with preparing the dredged material portion of these IMO Ocean Dumping Reports.

Reports Numbering System

The following pages contain all 78 U.S. prepared calendar year (CY) 1999 IMO Dredged Material Ocean Disposal Reports. They are numbered as follows:

(1) Pages C-1 through C-130 represent the 51 CY 1999 Corps of Engineers dredged material ocean disposal activities as authorized by the United States Congress.

(2) Pages P-1 through P-72 represent the 27 CY 1999 permitted dredged material ocean disposal activities conducted by permit under authority of Section 103 of the Marine Protection Research and Sanctuaries Act of 1972.

Summary of Data

During CY 1999, the U.S. ocean-disposed 43,577,623 cubic meters of dredged material of which 4,747,172 cubic meters were disposed under Section 103 permit authority, and 38,830,451 cubic meters were disposed under Corps project authority.

Geographical distribution of the U.S. CY 1999 ocean-disposed dredged material was as follows:

Region	Cubic Meters	IMO Report References
Atlantic Ocean	9,031,150	C-1 to C-43, P-1 to P- 45
Gulf of Mexico	25,449,023	C-44 to C-78
Pacific Ocean	9,097,450	C-79 to C-130, P-46 to P-72

Seattle District did not carry out any ocean disposal activities during CY 1999. Baltimore District data was reported by Norfolk District.

District Location Abbreviations

Abbreviation	District Name	District Location
NAN	New York	New York, NY
NAE	New England	Boston, MA
NAB	Baltimore	Baltimore, MD
NAO	Norfolk	Norfolk, VA
NAP	Philadelphia	Philadelphia, PA
SAC	Charleston	Charleston, SC
SAW	Wilmington	Wilmington, NC
SAS	Savannah	Savannah, GA
SAJ	Jacksonville	Jacksonville, FL
SAM	Mobile	Mobile, AL
MVN	New Orleans	New Orleans, LA
SWG	Galveston	Galveston, TX
SPL	Los Angeles	Los Angeles, CA
SPN	San Francisco	San Francisco, CA
NWP	Portland	Portland, OR
NWS	Seattle	Seattle, WA
POA	Alaska	Anchorage, AK
POH	Honolulu	Honolulu, HI

Authorship

The 1999 IMO Ocean Disposal Reports in this document were prepared by numerous Corps of Engineers employees in 18 Corps Districts and Divisions which have coastal boundaries. For additional information concerning individual projects, please contact the Corps District employee listed under "Point of Contact" at the end of each report. For projects with no contact listed or other information regarding this report, the central point of contact in the United States Government is:

Headquarters (CECW-OD)
U. S. Army Corps of Engineers
20 Massachusetts Ave. N.W.
Washington, D. C. 20314-1000

This report was compiled and published under the Dredging Operations Technical Support program (http://www.wes.army.mil/el/dots/), Mr. Tom Patin, manager and Mr. Joseph Wilson, Technical Monitor. It was compiled by Mr. Charles H. Lutz, US Army Engineer Research and Development Center, WES, Environmental Laboratory.

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1. Issuing Authority- District: NAN [DS= 2452]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. KILL VAN KULL (REACHES - 1 THRU 4)
      NEW YORK / NEW JERSEY CHANNELS (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 453,900

7. Expected frequency of dumping (for reporting period):
   a. 2 / DAY
   b. Actual start: 05/28/99
   c. Actual completion: 11/30/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	1	0.0000000	0	0.000000	0.000000	11.300000
MERCURY	1	0.0000000	0	0.000000	0.000000	0.626000
CADMIUM	1	0.0000000	0	0.000000	0.000000	0.525000
LEAD	1	0.0000000	0	0.000000	0.000000	52.400000
CHROMIUM	1	0.0000000	0	0.000000	0.000000	55.300000
COPPER	1	0.0000000	0	0.000000	0.000000	39.700000
NICKEL	1	0.0000000	0	0.000000	0.000000	271.000000
ZINC	1	0.0000000	0	0.000000	0.000000	96.900000
SILVER	1	0.0000000	0	0.000000	0.000000	1.010000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% MOISTURE	1	0.0000000	0	0.000000	0.000000	27.100000
% SAND	1	0.0000000	0	0.000000	0.000000	81.070000
% SILT	1	0.0000000	0	0.000000	0.000000	10.040000
% CLAY	1	0.0000000	0	0.000000	0.000000	8.890000

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

Elutriate Test Chemical Data

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
MERCURY	1	0.0000000	0	0.000000	0.000000	0.000030
CADMIUM	1	0.0100000	0	0.000000	0.000000	0.000020
LEAD	1	0.0000000	0	0.000000	0.000000	0.000343
CHROMIUM	1	0.0000000	0	0.000000	0.000000	0.000139
COPPER	1	0.0000000	0	0.000000	0.000000	0.000180
NICKEL	1	0.0000000	0	0.000000	0.000000	0.000402
ZINC	1	0.0000000	0	0.000000	0.000000	0.000646

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No.204
Site Name: HISTORIC AREA REMEDIATION SITE (HARS)
Geographical position: (NAD 1983)

40E25'39. " N 073E53'55. " W 40E25'39. " N 073E48'58. " W
40E21'19. " N 073E48'57. " W 40E21'19. " N 073E52'30. " W
40E21'52. " N 073E53'55. " W
Depth(ft): Low Depth- 39 High Depth- 160
Nearest Distance from shore (nm): 3.5

General Comments About The Disposal Site
This is a complex site with multiple corners. Only the 5 approximate outside corners are listed above.

Complete corner coordinates of the Buffer Zone are:

A - 40 25'39" N, 73 53'55" W	L - 40 25'22", 73 50'44"
B - 40 25'23", 73 53'34"	M - 40 25'39", 73 48'58"
C - 40 25'39", 73 51'48"	N - 40 25'22", 73 49'19"
D - 40 25'22", 73 52'08"	O - 40 21'35", 73 49'19"
E - 40 23'48", 73 51'48"	P - 40 21'19", 73 48'57"
F - 40 23'13", 73 52'09"	Q - 40 21'36", 73 52'08"
G - 40 23'13", 73 51'28"	R - 40 21'19", 73 52'30"
H - 40 22'41", 73 51'28"	S - 40 21'52", 73 53'55"
I - 40 22'41", 73 50'43"	T - 40 22'08", 73 52'08"
J - 40 23'48", 73 51'06"	U - 40 22'08", 73 53'34"
K - 40 25'39", 73 51'06"	V - 40 21'52", 73 52'30"

Reference Site Location:
Site No: 128
Site Name: MUD DUMP REFERENCE SITE

Geographical position (NAD 1927)

40E23'13. " N 073E52'11. " W 40E20'21. "N 073E52'19. " W

Depth (ft): Low Depth- 21 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed
Biological Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
    Menidia berylina
    Mysidopsis bahiz
    Mytilus edilus

16. Bioassay Solid Phase Information (Organisms Tested):
    Ampelisca abdita
    Mysidopsis bahia

17. Bioassay Bioaccumulation Information (Organisms Tested):
    Nereis virens
    Macoma nasuta

18. General Comments

19. Point of Contact: THOMAS WYCHE 212-264-1851

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NAE [DS= 2469]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. COHASSET, MASSACHUSETTS
      COE COHASSET HARBOR (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
      CLUMPED or COHESIVE

6. Total quantity (cubic meters): 36,900

7. Expected frequency of dumping (for reporting period):
   a. 4 PER WEEK
   b. Actual start: 01/05/99
   c. Actual completion: 12/29/99

8. Composition of the dredged material.

CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 1998

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 2
Site Name: MASSACHUSETTS BAY DISPOSAL SITE
Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 12161 feet.

Center of Site is:
42E25'06" N 070E35'00" W
Depth(ft): Low Depth- 272 High Depth- 302
Nearest Distance from shore (nm): 11.5

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material which meets the requirements of the MPRSA and its accompanying regulations. Disposal-and-capping is prohibited at the MBDS until its efficacy can be effectively demonstrated.
updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 167
Site Name: MASS BAY REFERENCE (1992 AND LATER)

Geographical position (NAD 1927)

42E22'42.0" N 070E30'18.0" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

#1998C0010

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NAE [DS= 2470]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. FORE RIVER, PORTLAND & SOUTH PORTLAND, MAINE
      COE PORTLAND HARBOR (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
      CLUMPED or COHESIVE

6. Total quantity (cubic meters): 155,800

7. Expected frequency of dumping (for reporting period):
   a. 2-3 A DAY
   b. Actual start: 03/06/99
   c. Actual completion: 04/07/99

8. Composition of the dredged material.

CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 1998

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 76
    Site Name: PORTLAND
    Geographical position: (NAD 1927)

43E43'36.4" N 70E02'39.5" .W 43E33'36.3" N 70E02'39.5" W
43E33'36.2" N 70E01'16.9" W 43E43'36.4" N 70E02'39.5" W

Depth(ft): Low Depth- 136 High Depth- 226
Nearest Distance from shore (nm): 7.1

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material.
latitude/longitude updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 169
Site Name: PORTLAND REFERENCE

Geographical position:
43E38'36.0" N 069E59'00.6" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

#1998C0018

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NAE [DS= 2474]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. BOSTON, MA
      COE BOSTON HARBOR (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
      CLUMPED or COHESIVE

6. Total quantity (cubic meters): 1,378,900

7. Expected frequency of dumping (for reporting period):
   a. 10 / WEEK
   b. Actual start: 01/15/99
   c. Actual completion: 12/31/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 2
    Site Name: MASSACHUSETTS BAY DISPOSAL SITE
    Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 12161 feet.

Center of Site is:
42E25'06" N 070E35'00" W
Depth(ft): Low Depth- 272 High Depth- 302
Nearest Distance from shore (nm): 11.5

General Comments About The Disposal Site

Restriction: Disposal shall be limited to dredged material which meets the requirements of the MPRSA and its accompanying regulations. Disposal-and-capping is prohibited at the MBDS until its efficacy can be effectively demonstrated.
updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:

Site No: 167
Site Name: MASS BAY REFERENCE (1992 AND LATER)

Geographical position (NAD 1927)

42E22'42.0" N 070E30'18.0" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:

No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):

No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):

No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):

No Bioassay testing was done

18. General Comments

1998C0008,
Chemical analysis was performed on the surficial material, which was disposed of in CAD cells in Boston Harbor. The underlying parental material, which we had no reason to believe was contaminated, was not analyzed and was disposed of at MBDS.

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NAO [DS= 2413]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. NORFOLK, VIRGINIA BEACH WITHIN CHESAPEAKE BAY
      THIMBLE SHOAL - US ARMY CORPS OF ENGINEERS (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 115,300

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 12/15/99
   c. Actual completion: 12/31/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 85
    Site Name: DAM NECK
    Geographical position: (NAD 1927)

    36E51'24.1" N 075E54'41.4" W 36E51'24.1" N 075E53'02.9" W
    36E46'27.4" N 075E51'39.2" W 36E46'27.5" N 075E54'19.0" W
    36E50'05.0" N 075E54'19.0" W
    Depth(ft): Low Depth- 30 High Depth- 40
    Nearest Distance from shore (nm): 3.3

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material from the mouth of Chesapeake Bay.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Disposal site monitoring includes summer water quality monitoring.

19. Point of Contact: BETTY GREY WARING 757-441-7124

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NAP [DS= 2426]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. NEW JERSEY
      BARNEGAT INLET (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 117,000

7. Expected frequency of dumping (for reporting period):
   a. 2 TIMES
   b. Actual start: 04/01/99
   c. Actual completion: 07/07/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.210
    Site Name: BARNEGAT INLET
    Geographical position: (NAD 1983)

    39E45'08.7" N 74 E05'22.6" W 0EE'0' ." N 0E0E0'" ." W
    0EE'0' ." N 0E0E0'" ." W 0EE'0' ." N 0E0E0'" ." W
    0EE'0' ." N 0E0E0'" ." W
      Depth(ft): Low Depth- 25 High Depth- 40
      Nearest Distance from shore (nm): 1.0

General Comments About The Disposal Site
Updated by Greg Wacik, February 2000

Reference Site Location:
NO REFERENCE SITE HAS BEEN ENTERED

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

The material was disposed of at Barnegat Inlet. The coordinates of the disposal site are 39 45 08.70805 N, 74 05 22.64600 W.

19. Point of Contact: GREGORY WACIK 215-656-6561

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SAC [DS= 2458]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. GEORGETOWN HARBOR
      GEORGETOWN HARBOR ENTRANCE CHANNEL (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 218,300

7. Expected frequency of dumping (for reporting period):
   a. 1 / 2 YRS
   b. Actual start: 12/01/99
   c. Actual completion: 01/31/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	3	0.5000000	3	1.950000	4.040000	3.080000
ANTIMONY	3	0.5000000	0	0.226000	0.238000	0.233000
MERCURY	3	0.1000000	0	0.004010	0.015600	0.009500
CADMIUM	3	0.1000000	0	0.022500	0.023700	0.023000
LEAD	3	0.1000000	3	0.679000	3.530000	1.730000
CHROMIUM	3	0.1000000	3	1.220000	7.780000	3.550000
COPPER	3	0.1000000	2	0.083600	2.240000	0.828000
NICKEL	3	0.1000000	3	0.408000	2.310000	1.051000
ZINC	3	0.5000000	3	3.870000	11.400000	6.840000
SELENIUM	3	0.2000000	1	0.166000	0.222000	0.185000
SILVER	3	0.0620000	3	0.223000	0.295000	0.261000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	3	1.7000000	0	0.329000	0.337000	0.333000
CHLORDANE	3	1.7000000	0	6.330000	61.700000	24.800000
ALPHA-CHLORDANE	3	1.7000000	0	0.572000	0.577000	0.573000
DIELDRIN	3	3.3000000	0	0.952000	9.280000	3.730000
ENDOSULFAN	3	3.3000000	0	0.952000	9.280000	3.720000
ENDOSULFAN SULFATE	3	3.3000000	0	1.180000	11.500000	4.620000
DDD	3	3.3000000	0	0.764000	7.450000	2.900000
DDE	3	3.3000000	0	0.713000	6.950000	2.790000
DDT	3	3.3000000	0	1.030000	10.100000	4.050000
ENDRIN	3	3.3000000	0	0.884000	8.610000	3.460000
ENDRIN ALDEHYDE	3	3.3000000	0	1.290000	12.600000	5.060000
HEPTACHLOR	3	1.7000000	0	0.564000	5.490000	2.200000
HEPTACHLOR EPOXIDE	3	1.7000000	0	0.282000	2.750000	1.100000
ALPHA-LINDANE	3	2.0000000	0	0.342000	3.330000	1.340000
BETA-LINDANE	3	2.0000000	0	0.504000	4.910000	1.970000
DELTA-LINDANE	3	2.0000000	0	0.367000	3.580000	1.430000
GAMMA-LINDANE	3	1.7000000	0	0.453000	4.410000	1.770000
METHOXYCHLOR	3	10.0000000	0	4.610000	44.900000	18.040000
MIREX	3	33.0000000	0	1.710000	16.600000	6.670000
TOXAPHENE	3	3.3000000	0	14.200000	138.000000	55.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AROCHLOR 1016	3	1.0000000	0	1.540000	1.580000	1.560000
AROCHLOR 1221	3	1.0000000	0	3.570000	3.660000	3.630000
AROCHLOR 1232	3	1.0000000	0	2.060000	2.120000	2.100000
AROCHLOR 1242	3	1.0000000	0	2.110000	2.170000	2.150000
AROCHLOR 1248	1	0.0000000	0	1.150000	1.180000	1.170000
AROCHLOR 1254	3	0.0000000	1	1.470000	1.510000	1.500000
AROCHLOR 1260	3	1.0000000	0	1.190000	1.230000	1.220000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
NAPHTHALENE	3	3.3000000	0	4.220000	4.330000	4.290000
BENZO(A)ANTHRACENE	3	3.3000000	0	7.600000	7.790000	7.720000
BENZO(B)FLUORANTHENE	3	3.3000000	0	11.400000	11.700000	11.610000
ACENAPHTHYLENE	3	3.3000000	0	5.060000	5.200000	5.150000
CHRYSENE	3	3.3000000	0	8.020000	8.230000	8.160000
BENZO(K)FLUORANTHENE	3	3.3000000	0	47.700000	48.900000	48.500000
ACENAPHTHENE	3	3.3000000	0	0.000000	0.000000	0.000000
FLUORANTHENE	3	3.3000000	0	6.330000	6.500000	6.440000
BENZO(GHI)PERYLENE	3	3.3000000	0	11.400000	11.700000	11.610000
FLUORENE	3	3.3000000	0	3.800000	3.900000	3.900000
PYRENE	3	3.3000000	0	11.000000	11.300000	11.200000
ANTHRACENE	3	3.3000000	0	5.910000	6.060000	5.910000
BENZO(A)PYRENE	3	3.3000000	0	7.170000	7.360000	7.300000
INDENO(1,2,3-CD)PYRENE	3	3.3000000	0	11.400000	11.700000	11.600000
PHENANTHRENE	3	3.3000000	0	5.060000	5.200000	5.150000
DIBENZE(A,H)ANTHRACENE	3	3.3000000	0	5.910000	6.060000	6.010000

DIOXINS (ng/KG or pptr)

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
2,3,7,8 TCDD	3	1.0000000	0	0.017600	0.092500	0.049100
1,2,3,7,8 PeCDD	3	1.0000000	0	0.017600	0.433000	0.158000
1,2,3,4,7,8 HxCDD	3	1.0000000	1	0.050600	2.600000	0.935000
1,2,3,6,7,8 HxCDD	3	1.0000000	1	0.017600	0.907000	0.528323
1,2,3,7,8,9 HxCDD	3	1.0000000	0	0.028100	1.460000	0.000000
TOTAL 2,3,7,8 HxCDD	3	1.0000000	3	1.130000	82.500000	29.210000
OCDD	3	1.0000000	3	15.100000	873.000000	320.000000

FURANS (ng/KG or pptr)

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
2,3,7,8 TCDF	3	1.0000000	0	0.034500	0.340000	0.143000
1,2,3,7,8 PeCDF	3	1.0000000	0	0.017600	0.073300	0.110000
2,3,4,7,8 PeCDF	3	1.0000000	0	0.000000	0.071400	0.034700
TOTAL 2,3,7,8 PeCDF	3	1.0000000	0	0.000000	0.332000	0.125000
1,2,3,4,7,8 HxCDF	3	1.0000000	0	0.017600	0.111000	0.048900
1,2,3,6,7,8 HxCDF	3	1.0000000	0	0.017600	0.104000	0.046600
1,2,3,7,8,9 HxCDF	3	1.0000000	0	0.017600	0.082100	0.039300
2,3,4,6,7,8 HxCDF	3	1.0000000	0	0.017600	0.137000	0.057600
TOTAL 2,3,7,8 HxCDF	3	1.0000000	1	0.017600	1.510000	0.052800
1,2,3,4,6,7,8 HpCDF	3	1.0000000	1	0.027400	1.210000	0.448000
1,2,3,4,7,8,9 HpCDF	3	1.0000000	0	0.017600	0.107000	0.048600
TOTAL 2,3,7,8 HpCDF	3	1.0000000	1	0.027400	2.890000	1.050000
OCDF	1	0.0000000	1	0.045000	2.530000	0.946000

TINS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TRIBUTYLTIN	3	5.0000000	0	0.155000	0.159000	0.158000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% MOISTURE	3	0.0000000	0	22.600000	109.600000	53.500000
TOTAL ORGANIC CARBON	3	0.0000000	0	294.000000	4540.000000	1848.000000
% SAND	3	0.0000000	0	70.800000	98.500000	88.900000
% SILT	3	0.0000000	0	1.500000	17.600000	7.200000
% CLAY	3	0.0000000	0	0.000000	11.600000	3.900000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 70
Site Name: GEORGETOWN HARBOR
Geographical position: (NAD 1927)

33E11'18.0" N 079E07'20.0" W 33E11'18.0" N 079E05'23.0" W
33E10'38.0" N 079E05'24.0" W 33E10'38.0" N 079E07'21.0" W

Depth(ft): Low Depth- 20 High Depth- 36
Nearest Distance from shore (nm): 3.5

General Comments About The Disposal Site
Restriction: Disposal shall be limited to suitable dredged material from the greater Georgetown, South Carolina, area.

Reference Site Location:
Site No: 187
Site Name: GEORGETOWN HARBOR REFERENCE SITE

Geographical position (NAD 1927)

33E11'1.."" N 079E04'4.."" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

General Comments About The Reference Site
This is a single point site.
Named by Robin Collier-Socha 5/2000

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

1. Many of the results values were < values meaning that the parameter was non-detected. There did not appear any way to note this in the database.
2. The alpha-, beta-, gamma-, delta-lindane were listed on our analysis page as alpha-, beta-, gamma-, delta-BHC.
3. The DDD, DDT, and DDE were listed on our analysis page as 4,4'-DDD, 4,4'-DDT and 4,4-DDE.
4. Endosulfan was listed on our analysis page as Endosulfan I.
5. Approximately half of the dioxin values & most of the furan values were non-detects, but there did not appear be any way to note that in this database.
6. The volume recorded is half of what was dredged because only 1/2 was dredged in 1999. The rest will be input into the database for FY2000.
7. Not sure what reference site was previously input into the database. The reference site used is as follows:
33 degrees 11.03 N & 79 degrees 04.08W

19. Point of Contact: ROBIN COLLER-SOCHA 843-746-2847

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SAC [DS= 2459]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. PORT ROYAL ENTRANCE CHANNEL
      PORT ROYAL NAVIGATION PROJECT (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 333,400

7. Expected frequency of dumping (for reporting period):
   a. 1 / 2 YRS
   b. Actual start: 12/20/99
   c. Actual completion: 01/31/00

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.211
    Site Name: PORT ROYAL HARBOR ODMDS
    Geographical position: (NAD 1983)

    32E05'00." N 080E36'28.2" W 32E05'00." N 080E35'18." W
    32E04'00." N 080E35'18." W 32E04'00." N 080E36'28.2" W
    0E0'0" N 0E0'0" W
    Depth(ft): Low Depth- 36 High Depth- 36
    Nearest Distance from shore (nm): 7.9

General Comments About The Disposal Site
Added by Robin Collier-Socha 5/2000

Reference Site Location:
Site No: 121
Site Name: REFERENCE SITE NOT REPORTED

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

There is not a designated site for Port Royal anymore. We are using the same general vicinity as the Port Royal South Site and are working with EPA to get a site designated. The coordinates for the 4 corners of the site where we placed the material are as follows:

32 degrees 05.00'N & 080 degrees 36.47'W
32 degrees 05.00'N & 080 degrees 35.30'W
32 degrees 04.00'N & 080 degrees 35.30'W
32 degrees 04.00'N %080 degrees 36.47'W

This is also the site we are having designated.

The volume dredged is just for the month of December. The rest of the data will be included on the database for FY2000.

19. Point of Contact: ROBIN COLLER-SOCHA 843-746-2847

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SAC [DS= 2460]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. CHARLESTON HARBOR ENTRANCE CHANNEL
      CHARLESTON HARBOR NAVIGATION PROJECT (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 994,000

7. Expected frequency of dumping (for reporting period):
   a. YEARLY
   b. Actual start: 01/05/99
   c. Actual completion: 02/10/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL SOLIDS	4	0.0000000	0	2.680000	2.760000	2.720000
% SAND	4	0.0000000	0	65.000000	77.000000	70.000000
% SILT	4	0.0000000	0	3.000000	9.000000	5.000000
% CLAY	4	0.0000000	0	3.000000	11.000000	6.000000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No.171
Site Name: CHARLESTON, SC HARBOR DEEPENING PROJECT ODMDS SITE
Geographical position: (NAD 1927)

32E38'06.0" N 079E41'57.0" W 32E40'42.0" N 079E47'30.0" W
32E39'04.0" N 079E49'21.0" W 32E36'28.0" N 079E43'48.0" W

Depth(ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

General Comments About The Disposal Site
Also called: CHARLESTON-COLUMBUS TURNING BASIN NEW WORK - 1989
All material is now placed east of a line from 32 deg. 39' 04" N,
79 deg. 44' 25" W and 32 deg. 37' 24" N, 79 deg. 45' 30" W. as
per Robin Collier-Socha (5/2000)
This site includes the old Charleston Disposal site.

Restriction: Disposal shall be limited to dredged material from
the Charleston Harbor area. All dredged materials, except
entrance channel materials, shall be limited to that part of the
site east of the line between coordinates 32 deg.39'04" N, 79
deg.44'25" W and 32 deg.37'24" N, 79 deg.45'30" W unless the
material can be shown by sufficient testing to contain 10% or
less of fine material (grain size of less than 0.074 mm) by
weight and shown to be suitable for ocean disposal. Additionally,
all disposals shall be in accordance with all provisions of
material placement as specified by the Site Management Plan.

Reference Site Location:
Site No: 212
Site Name: CHARLESTON HARBOR DEEPENING/WIDENING REFERENCE SIT

Geographical position (NAD 1983)

32E43'24." N 79 E41'10.8" W 0E0'0" N 0E0'0" W
0E0'0" N 0E0'0" W 0E0'0" N 0E0'0" W
0E0'0" N 0E0'0" W

Depth (ft): Low Depth- 39 High Depth- 0
Nearest Distance from shore (nm): 0.0

General Comments About The Reference Site
Added by Robin Collier-Socha 5/2000

14. Disposal Site Management:
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed
Biological Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
Menidia beryllina
Mysidopsis bahia
Arbacia punctulata

16. Bioassay Solid Phase Information (Organisms Tested):
Nereis virens
Rhepoxynius abronius

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

1. This project included maintenance and some new work.
2. The coordinates for the reference site are as follows:
32 degrees 43.40N & 79 degrees 41.18W
3. The bathymetry is conducted before and after each dredging /disposal project, which occurs yearly. The rest of the parameters are conducted based on our mgt. plan and concurrence with EPA and SCDNR who we work with to accomplish all of the monitoring. It is not based on frequency. It is based on need depending on quantities of disposal and types of material.
4. Material was placed on specific dump lines, and areas around the inside perimeter of the ODMDS were designed for placement of harder new work material in order to raise berms which could prevent fine-grained material from migrating west onto live bottom areas.
5. These sites met the exclusionary criteria summarized in the Green Book (gravel was also present in the samples) and as a result, no additional chemical or bioassay testing was required.
6. Within the larger ODMDS live bottoms exist in the western half. As a result, we dispose of material in the eastern portion of the site. The coordinates of the larger ODMDS are:

32 deg.38'06"N, 79 deg.41'57"W
32 deg.40'42"N, 79 deg.47'30"W
32 deg.39'04"N, 79 deg.49'21"W
32 deg.36'28"N, 79 deg.43'48" W

All material is placed in this larger site east of line between the following coordinates:

32 deg.39'04"N, 79 deg.44'25" and
32 deg.37'24"N, 79 deg.45'30"W

19. Point of Contact: ROBIN COLLER-SOCHA 843-746-2847

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SAW [DS= 2475]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. MOREHEAD CITY, NORTH CAROLINA
      MOREHEAD CITY (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 336,000

7. Expected frequency of dumping (for reporting period):
   a. 6L/D,7D/WK
   b. Actual start: 01/02/99
   c. Actual completion: 03/09/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.164
    Site Name: MOREHEAD CITY 1986 -
    Geographical position: (NAD 1927)

    34E38'30.0" N 076E45'00.0" W 34E38'30.0" N 076E41'42.0" W
    34E38'09.0" N 076E41'00.0" W 34E36'00.0" N 076E41'00.0" W
    34E36'00.0" N 076E45'00.0" W
    Depth(ft): Low Depth- 39 High Depth- 43
    Nearest Distance from shore (nm): 6.2

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material from the Morehead City Harbor, North Carolina area. All material disposed must satisfy the requirements of the ocean dumping regulations.
Final Designation 09/14/1987

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Work done by dredges: Sugar Island, Northerly Island, and Dodge Island.
A Public Notice was done in 1999, however, it was inadvertently deleted from the files, so the date is unknown.

19. Point of Contact: PHIL PAYONK 910-251-4589

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SAW [DS= 2477]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. WILMINGTON, NORTH CAROLINA
      WILMINGTON HARBOR (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 91,800

7. Expected frequency of dumping (for reporting period):
   a. 7L/D,7D/WK
   b. Actual start: 01/01/99
   c. Actual completion: 01/08/99

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR
   Material was EXCLUDED from testing

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
      Site No.165
      Site Name: WILMINGTON HARBOR 1985 -
      Geographical position: (NAD 1927)

   33E49'30.0" N 078E03'06.0" W 33E48'18.0" N 078E01'39.0" W
   33E47'19.0" N 078E02'48.0" W 33E48'30.0" N 078E04'16.0" W

      Depth(ft): Low Depth- 43 High Depth- 0
      Nearest Distance from shore (nm): 3.0

General Comments About The Disposal Site
Restriction: Disposal shall be limited to the dredged material from Wilmington Harbor area.
This site is inside the boundries of the old Wilimington Harbor Interim site.
Final Designation 08/03/1987

Reference Site Location:
Site No: 196
Site Name: WHREF

Geographical position (NAD 1927)

33E46'52.7" N 078E03'26.5" W 33E46'26.2"N 078E02'53.6" W
33E45'47.0" N 078E03'37.3" W 33E46'14.4"N 078E04'11.3" W
0E0'0" N 0E0'0" W

Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 3.5

General Comments About The Reference Site
added by Jenny Owens, 10/23/1997

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Dredging done by Sugar Island.
A Public Notice was done in 1999, however, the file was inadvertently deleted, so no date is available.

19. Point of Contact: PHIL PAYONK 910-251-4589

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SAS [DS= 2348]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. CHATHAM CO., GA
      SAVANNAH HARBOR NAVIGATION PROJECT (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 407,700

7. Expected frequency of dumping (for reporting period):
   a. 7.8/DAY
   b. Actual start: 01/11/99
   c. Actual completion: 02/10/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	5	0.0000000	5	3.770000	11.300000	6.990000
CADMIUM	5	0.0341000	3	0.050300	0.272000	0.103000
LEAD	5	0.0000000	5	3.430000	13.800000	8.730000
CHROMIUM	5	0.0000000	5	11.900000	40.900000	25.400000
MANGANESE	5	0.0000000	5	67.600000	399.000000	222.500000
COPPER	5	0.0000000	5	1.410000	8.320000	4.784000
NICKEL	5	0.0000000	5	2.540000	12.200000	7.086000
IRON	5	0.0000000	5	0.551000	2.190000	1.369000
ZINC	5	0.0000000	5	12.200000	41.600000	27.160000
SELENIUM	5	0.0318000	4	0.037000	0.764000	0.015590
SILVER	5	0.0210000	3	0.021600	0.027100	0.019170

TINS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TRIBUTYLTIN	5	0.3880000	0	0.000000	0.000000	0.000000
DIBUTYLTIN	5	0.3880000	0	0.000000	0.000000	0.000000
MONOBUTYLTIN	5	0.3880000	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% MOISTURE	5	0.0000000	5	32.700000	74.200000	51.600000
TOTAL ORGANIC CARBON	5	0.0000000	5	8590.00000015000.00000010552.000000		
% SAND	5	0.0000000	5	8.700000	83.900000	53.700000
% SILT	5	0.0000000	5	0.000000	66.800000	27.600000
% CLAY	5	0.0000000	5	16.000000	24.500000	18.500000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 64
Site Name: SAVANNAH
Geographical position: (NAD 1927)

31E55'53.0" N 080E44'20.0" W 31E57'55.0" N 080E46'48.0" W
31E57'55.0" N 080E44'20.0" W 31E55'53.0" N 080E46'48.0" W

Depth(ft): Low Depth- 26 High Depth- 37
Nearest Distance from shore (nm): 4.5

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material from the Savannah Harbor area.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
Seasonal restrictions were enforced
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: STEVE CALVER 912-652-5797

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SAS [DS= 2361]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. GLYNN CO., GA
      BRUNSWICK HARBOR NAVIGATION PROJECT (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 725,000

7. Expected frequency of dumping (for reporting period):
   a. 7.7/DAY
   b. Actual start: 02/10/99
   c. Actual completion: 03/24/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 71
    Site Name: BRUNSWICK HARBOR
    Geographical position: (NAD 1927)

31E02'35.0" N 081E17'40.0" W 31E02'35.0" N 081E16'30.0" W
31E00'30.0" N 081E16'30.0" W 31E00'30.0" N 081E17'42.0" W

    Depth(ft): Low Depth- 30 High Depth- 37
    Nearest Distance from shore (nm): 6.6

General Comments About The Disposal Site
Restrictions: Disposal shall be limited to suitable dredged material from the greater Brunswick, Georgia, vicinity.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
Seasonal restrictions were enforced
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: STEVE CALVER 912-652-5797

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SAJ [DS= 2447]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. PORT CANAVERAL, FLORIDA
      CANAVERAL HARBOR (98C08) (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 80,400

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 05/12/98
   c. Actual completion: 02/05/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 6
    Site Name: CANAVERAL HARBOR
    Geographical position: (NAD 1927)

28E19'53.0" N 080E31'08.0" W 28E18'50.0" N 080E29'40.0" W
28E17'35.0" N 080E30'52.0" W 28E18'38.0" N 080E32'20.0" W

    Depth(ft): Low Depth- 47 High Depth- 55
    Nearest Distance from shore (nm): 4.8

General Comments About The Disposal Site
Restriction: Disposal shall be limited to suitable dredged material from the greater Canaveral, Florida, vicinity.

Reference Site Location:
Site No: 121
Site Name: REFERENCE SITE NOT REPORTED

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: GLENN SCHUSTER 904-232-3691

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SAJ [DS= 2448]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. SAN JUAN, PUERTO RICO
      SAN JUAN HARBOR (98C22) (New Work)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 1,696,000

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 09/03/98
   c. Actual completion: 10/15/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 6
    Site Name: CANAVERAL HARBOR
    Geographical position: (NAD 1927)

28E19'53.0" N 080E31'08.0" W 28E18'50.0" N 080E29'40.0" W
28E17'35.0" N 080E30'52.0" W 28E18'38.0" N 080E32'20.0" W

    Depth(ft): Low Depth- 47 High Depth- 55
    Nearest Distance from shore (nm): 4.8

General Comments About The Disposal Site
Restriction: Disposal shall be limited to suitable dredged material from the greater Canaveral, Florida, vicinity.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: GLENN SCHUSTER 904-232-3691

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SAJ [DS= 2449]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. FERNADINA BEACH, FLORIDA
      KINGS BAY ENTRANCE CHANNEL (99C32) (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 497,100

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 01/17/99
   c. Actual completion: 02/17/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 62
    Site Name: FERNANDINA BEACH
    Geographical position: (NAD 1927)

30E42'00.0" N 081E19'05.0" W 30E41'00.0" N 081E17'55.0" W
30E42'00.0" N 081E17'55.0" W 30E41'00.0" N 081E19'05.0" W

    Depth(ft): Low Depth- 45 High Depth- 63
    Nearest Distance from shore (nm): 6.2

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material which meets the criteria given in the Ocean Dumping Regulations in 40 CFR part 227.

Reference Site Location:
Site No: 121
Site Name: REFERENCE SITE NOT REPORTED

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: GLENN SCHUSTER 904-232-3691

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SAJ [DS= 2450]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. PORT CANAVERAL, FLORIDA
      CANAVERAL HARBOR (99C44) (New Work)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 571,500

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 06/23/99
   c. Actual completion: 12/21/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 6
    Site Name: CANAVERAL HARBOR
    Geographical position: (NAD 1927)

28E19'53.0" N 080E31'08.0" W 28E18'50.0" N 080E29'40.0" W
28E17'35.0" N 080E30'52.0" W 28E18'38.0" N 080E32'20.0" W

    Depth(ft): Low Depth- 47 High Depth- 55
    Nearest Distance from shore (nm): 4.8

General Comments About The Disposal Site
Restriction: Disposal shall be limited to suitable dredged material from the greater Canaveral, Florida, vicinity.

Reference Site Location:
Site No: 121
Site Name: REFERENCE SITE NOT REPORTED

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: GLENN SCHUSTER 904-232-3691

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SAJ [DS= 2451]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. JACKSONVILLE, FLORIDA
      MAYPORT NAVAL STATION (99C70) (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 49,700

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 12/01/99
   c. Actual completion: 04/15/00

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 59
    Site Name: JACKSONVILLE
    Geographical position: (NAD 1927)

30E21'30.0" N 081E18'34.0" W 30E21'30.0" N 081E17'26.0" W
30E20'30.0" N 081E17'26.0" W 30E20'30.0" N 081E18'34.0" W

    Depth(ft): Low Depth- 39 High Depth- 53
    Nearest Distance from shore (nm): 5.0

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material from the Jacksonville, Florida, area.

Reference Site Location:
Site No: 121
Site Name: REFERENCE SITE NOT REPORTED

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: GLENN SCHUSTER 904-232-3691

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SAM [DS= 2443]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. MOBILE BAY
      BEAN HORIZON "EAGLE" (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 873,000

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 03/30/99
   c. Actual completion: 06/11/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.172
    Site Name: MOBILE NORTH (1987---)
    Geographical position: (NAD 1927)

30E11'18.0" N 088E21'18.0" W 30E08'30.0" N 088E19'42.0" W
30E13'00.0" N 088E08'48.0" W 30E08'30.0" N 088E05'48.0" W
30E09'36.0" N 088E04'48.0" W
    Depth(ft): Low Depth- 20 High Depth- 58
    Nearest Distance from shore (nm): 2.0

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: LARRY PARSON 334-690-3139

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SAM [DS= 2444]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. MOBILE BAY
      B&B DREDGING "COLUMBUS" (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 956,000

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 01/01/99
   c. Actual completion: 12/31/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.172
    Site Name: MOBILE NORTH (1987---)
    Geographical position: (NAD 1927)

30E11'18.0" N 088E21'18.0" W 30E08'30.0" N 088E19'42.0" W
30E13'00.0" N 088E08'48.0" W 30E08'30.0" N 088E05'48.0" W
30E09'36.0" N 088E04'48.0" W
    Depth(ft): Low Depth- 20 High Depth- 58
    Nearest Distance from shore (nm): 2.0

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: LARRY PARSON 334-690-3139

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SAM [DS= 2445]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. MOBILE BAY
      CORPS OF ENGINEERS "WHEELER" (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 172,000

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 01/28/99
   c. Actual completion: 02/12/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.172
    Site Name: MOBILE NORTH (1987---)
    Geographical position: (NAD 1927)

30E11'18.0" N 088E21'18.0" W 30E08'30.0" N 088E19'42.0" W
30E13'00.0" N 088E08'48.0" W 30E08'30.0" N 088E05'48.0" W
30E09'36.0" N 088E04'48.0" W
    Depth(ft): Low Depth- 20 High Depth- 58
    Nearest Distance from shore (nm): 2.0

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: LARRY PARSON 334-690-3139

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SAM [DS= 2446]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. PASCAGOULA
      BEAN STUYVESANT L.L.C. "BEAN 2" (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 316,700

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 08/20/99
   c. Actual completion: 12/31/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.173
    Site Name: PASCAGOULA (1992 ---)
    Geographical position: (NAD 1927)

30E12'06.0" N 088E44'30.0" W 30E11'42.0" N 088E33'24.0" W
30E08'30.0" N 088E37'00.0" W 30E08'18.0" N 088E41'54.0" W

    Depth(ft): Low Depth- 39 High Depth- 53
    Nearest Distance from shore (nm): 2.0

General Comments About The Disposal Site
Restriction: Disposal shall be limited to suitable material from the Mississippi Sound and vicinity.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: LARRY PARSON 334-690-3139

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: MVN [DS= 2432]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. BAR CHANNEL, MI. 0 TO MI. -9.0
      MISS RIVER - GULF OUTLET, LA (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 1,109,200

7. Expected frequency of dumping (for reporting period):
   a. AS NEEDED
   b. Actual start: 01/01/99
   c. Actual completion: 05/04/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.110
    Site Name: MISS. RIVER - GULF OUTLET, BAR CHANNEL
    Geographical position: (NAD 1927)

    29E32'35.0" N 089E12'38.0" W 29E29'21.0" N 089E08'00.0" W
    29E24'51.0" N 088E59'23.0" W 29E24'28.0" N 089E59'39.0" W
    29E28'59.0" N 089E08'19.0" W
    Depth(ft): Low Depth- 20 High Depth- 40
    Nearest Distance from shore (nm): 0.0

General Comments About The Disposal Site
Restrictions: Disposal shall be limited to dredged material from the vicinity of Mississippi River Gulf Outlet.

Reference Site Location:
Site No: 134
Site Name: MS RIVER - GULF OUTLET, LA

Geographical position (NAD 1927)

29E22'00.0" N 088E56'30.0" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

1. Reference Sites 134, 135, and 136 constitute the Reference Area for the MR-GO bar channel ocean dredged material disposal sites. Each site is sampled and composited to make one sample from the area.

2. Lsd. Hopper #1-98 (99-C-0001) 8 Oct 98 - 16 Jan 99 1,539,076 cy (140,325 cy in calendar year 1999)

Lsd. Hopper #2-98 (99-C-0019) 16 Jan 99 - 4 May 99 1,310,412 cy

19. Point of Contact: LINDA MATHIES 504-862-2318

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: MVN [DS= 2433]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. ATCHAFALAYA BAR CHANNEL
      ATCHAFALAYA RIVER & BAYOUS CHENE,BOEUF&BLACK (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: MECHANICAL DREDGE
   b. Mode of transportation: PIPELINE DISCHARGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 8,293,800

7. Expected frequency of dumping (for reporting period):
   a. AS NEEDED
   b. Actual start: 08/10/99
   c. Actual completion: 10/22/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: RESLURRY AND HYDRAULIC DISCHARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.117
    Site Name: ATCHAFALAYA RIVER, BAR CHANNEL
    Geographical position: (NAD 1927)

29E21'24.92 N 091E23'11.0" W 29E21'08.86 N 091E22'47.47 W
29E07'59.43 N 091E34'27.51 W 29E08'15.46 N 091E34'51.02 W

    Depth(ft): Low Depth- 5 High Depth- 23
    Nearest Distance from shore (nm): 7.0

Reference Site Location:
Site No: 150
Site Name: ATCHAFALAYA RIVER BAR CHANNEL

Geographical position (NAD 1927)

29E07'00.0" N 091E31'30.0" W 29E08'00.0"N 091E29'00.0" W
29E09'00.0" N 091E27'00.0" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

1. Reference Sites 149, 150, and 151 constitute the Reference Area for the Atchafalaya bar channel ocean dredged material disposal site. Each site is sampled and composited to make the reference area sample.

19. Point of Contact: LINDA MATHIES 504-862-2318

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: MVN [DS= 2434]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. SOUTHWEST PASS
      MISS RIVER, BATON ROUGE TO THE GULF OF MEXICO (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 3,792,800

7. Expected frequency of dumping (for reporting period):
   a. AS NEEDED
   b. Actual start: 02/27/99
   c. Actual completion: 08/31/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 92
    Site Name: MISSISSIPPI RIVER SOUTHWEST PASS
    Geographical position: (NAD 1927)

28E54'12.0" N 089E27'15.0" W 28E54'12.0" N 089E26'00.0" W
28E51'00.0" N 089E27'15.0" W 28E51'00.0" N 089E26'00.0" W

    Depth(ft): Low Depth- 9 High Depth- 106
    Nearest Distance from shore (nm): 17.5

General Comments About The Disposal Site
Restrictions: Disposal shall be limited to dredged material from the vicinity of the Southwest Pass Channel.

Reference Site Location:
Site No: 137
Site Name: MS RIVER, BATON ROUGE TO GULF OF MEXICO, LA SW PAS

Geographical position (NAD 1927)

28E53'18.0" N 089E23'18.0" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

1.
99-C-0024 Lsd Hopper #1-99 723,473 cy ocean disposal
432,787 cy
Pass-a-Loutre

99-C-0026 Lsd Hopper #2-99 2,774,808 cy ocean disposal
0 ct
Pass-a-Loutre

Wheeler 99 1,060,178 cy ocean disposal
1,179,846 cy
Pass-a-Loutre

McFarland 99 402,068 cy ocean disposal
896,895 cy
Pass-a-Loutre

2. Reference Sites 137, 138, and 139 constitute the Reference Area for the Miss. River Southwest Pass ocean dredged material diposal site. Each site is sampled and composited to make a reference area sample.

19. Point of Contact: LINDA MATHIES 504-862-2318

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: MVN [DS= 2435]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. CALCASIEU BAR CHANNEL
      CALCASIEU RIVER AND PASS, LA (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 1,051,200

7. Expected frequency of dumping (for reporting period):
   a. AS NEEDED
   b. Actual start: 11/16/99
   c. Actual completion: 12/31/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 82
    Site Name: CALCASIEU RIVER, BAR CHANNEL 2
    Geographical position: (NAD 1927)

29E44'31.0" N 093E20'43.0" W 29E39'45.0" N 093E19'56.0" W
29E39'34.0" N 093E20'46.0" W 29E44'25.0" N 093E21'33.0" W

    Depth(ft): Low Depth- 7 High Depth- 36
    Nearest Distance from shore (nm): 0.0

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material from the vicinity of the Calcasieu River and Pass Project.

Reference Site Location:
Site No: 159
Site Name: CALCASIEU RIVER, BAR CHANNEL

Geographical position (NAD 1927)

29E30'00.0" N 093E10'18.0" W 29E30'51.0"N 093E10'00.0" W
29E30'00.0" N 093E09'27.0" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

1. Referece Sites 158,159, and 160 make up the Reference Area for the Calcasieu bar channel ocean dredged material disposal sites.

2. Pre-disposal monitoring in the form of bathymetric survey for FY 1999 was done on 22 Sep 1998; post-disposal monitoring for FY 1999 was done on 06 Jul 1999; and pre-disposal survey for FY 2000 was done on 5 Jan 2000. The pre-disposal survey for FY 2000 is compared to the post-disposal survey for FY 1999 to determine if persistent mounding is taking place at the oceand dredged material disposal site.

3. Dredging contractor was given the following orders for disposal at the ocean dredged material disposal site: To avoid stacking of the dredged maerial, no material shall be deposited within 500 yards of a previous disposal location.

4. Total to ODMDS 1,374,768 cy. Agitation-1,340,768 cy; dredge and haul-33,300cy.

19. Point of Contact: LINDA MATHIES 504-862-2318

1. Issuing Authority- District: SWG [DS= 2436]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. CORPUS CHRISTI SHIP CHANNEL, TEXAS
      ENTRANCE CHANNEL (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 1,083,800

7. Expected frequency of dumping (for reporting period):
   a. 5/D;7D/WK
   b. Actual start: 06/11/99
   c. Actual completion: 07/11/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	3	0.1000000	3	1.560000	3.230000	2.420000
MERCURY	3	0.0200000	2	0.010000	0.200000	0.090000
CADMIUM	3	0.1000000	0	0.000000	0.000000	0.000000
LEAD	3	0.1000000	3	1.890000	5.890000	3.870000
CHROMIUM	3	0.1000000	3	4.120000	10.500000	8.050000
COPPER	3	0.1000000	3	1.580000	7.550000	4.470000
NICKEL	3	0.1000000	3	7.070000	12.900000	9.370000
ZINC	3	0.1000000	3	15.500000	45.900000	30.900000
SELENIUM	3	0.2000000	0	0.000000	0.000000	0.000000
SILVER	3	0.1000000	1	0.050000	0.170000	0.090000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	3	0.0100000	0	0.000000	0.000000	0.000000
CHLORDANE	3	0.0100000	0	0.000000	0.000000	0.000000
DIELDRIN	3	0.0100000	0	0.000000	0.000000	0.000000
ALPHA-ENDOSULFAN	3	0.0100000	0	0.000000	0.000000	0.000000
BETA-ENDOSULFAN	3	0.0100000	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	3	0.0100000	0	0.000000	0.000000	0.000000
DDD	3	0.0100000	0	0.000000	0.000000	0.000000
DDE	3	0.0100000	0	0.000000	0.000000	0.000000
DDT	3	0.0100000	0	0.000000	0.000000	0.000000
ENDRIN	3	0.0050000	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	3	0.0050000	0	0.000000	0.000000	0.000000
HEPTACHLOR	3	0.0100000	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	3	0.0100000	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	3	0.0100000	0	0.000000	0.000000	0.000000
BETA-LINDANE	3	0.0100000	0	0.000000	0.000000	0.000000
DELTA-LINDANE	3	0.0100000	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	3	0.0100000	0	0.000000	0.000000	0.000000
TOXAPHENE	3	0.0500000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PCB	3	0.0010000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PAH	3	0.5000000	0	0.000000	0.000000	0.000000
NAPHTHALENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(B)FLUORANTHENE	3	0.0200000	0	0.000000	0.000000	0.000000
ACENAPHTHYLENE	3	0.0200000	0	0.000000	0.000000	0.000000
CHRYSENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(K)FLUORANTHENE	3	0.0200000	0	0.000000	0.000000	0.000000
ACENAPHTHENE	3	0.0200000	0	0.000000	0.000000	0.000000
FLUORANTHENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(GHI)PERYLENE	3	0.0200000	0	0.000000	0.000000	0.000000
FLUORENE	3	0.0200000	0	0.000000	0.000000	0.000000
PYRENE	3	0.0200000	0	0.000000	0.000000	0.000000
ANTHRACENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	3	0.0200000	0	0.000000	0.000000	0.000000
INDENO(1,2,3-CD)PYRENE	3	0.0200000	0	0.000000	0.000000	0.000000
PHENANTHRENE	3	0.0200000	0	0.000000	0.000000	0.000000
DIBENZE(A,H)ANTHRACENE	3	0.0200000	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AMMONIA NITROGEN	3	0.3000000	2	0.150000	0.410000	0.300000
% TOTAL VOLATILE SOLIDS	3	0.1000000	3	0.900000	1.260000	1.030000
TOTAL SOLIDS	3	0.0000000	3	46.700000	75.600000	60.100000
TOTAL ORGANIC CARBON	3	0.0050000	3	0.483000	1.130000	0.855300
TOTAL SULFIDES	3	10.0000000	1	5.000000	17.100000	9.030000
% SAND	3	0.1000000	3	36.600000	89.500000	58.100000
% SILT	3	0.1000000	3	1.100000	30.400000	17.700000
% CLAY	3	0.1000000	3	9.400000	33.000000	24.200000

ACID VOLATILES

TOTAL PHENOLS	3	1.0000000	0	0.000000	0.000000	0.000000

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

Elutriate Test Chemical Data

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	3	0.0010000	0	0.000000	0.000000	0.000000
MERCURY	3	0.0002000	0	0.000000	0.000000	0.000000
CADMIUM	3	0.0001000	3	0.000160	0.000310	0.000220
LEAD	3	0.0010000	0	0.000000	0.000000	0.000000
CHROMIUM	3	0.0010000	1	0.000500	0.001000	0.000670
COPPER	3	0.0010000	1	0.000500	0.001310	0.000770
NICKEL	3	0.0010000	0	0.000000	0.000000	0.000000
ZINC	3	0.0010000	1	0.000500	0.001400	0.000800
SELENIUM	3	0.0010000	0	0.000000	0.000000	0.000000
SILVER	3	0.0010000	0	0.000000	0.000000	0.000000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	3	0.0000400	0	0.000000	0.000000	0.000000
CHLORDANE	3	0.0001400	0	0.000000	0.000000	0.000000
DIELDRIN	3	0.0000200	0	0.000000	0.000000	0.000000
ALPHA-ENDOSULFAN	3	0.0001000	0	0.000000	0.000000	0.000000
BETA-ENDOSULFAN	3	0.0001000	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	3	0.0001000	0	0.000000	0.000000	0.000000
DDD	3	0.0001000	0	0.000000	0.000000	0.000000
DDE	3	0.0001000	0	0.000000	0.000000	0.000000
DDT	3	0.0001000	0	0.000000	0.000000	0.000000
ENDRIN	3	0.0000600	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	3	0.0000600	0	0.000000	0.000000	0.000000
HEPTACHLOR	3	0.0000300	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	3	0.0000300	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	3	0.0000200	0	0.000000	0.000000	0.000000
BETA-LINDANE	3	0.0000200	0	0.000000	0.000000	0.000000
DELTA-LINDANE	3	0.0000200	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	3	0.0000200	0	0.000000	0.000000	0.000000
TOXAPHENE	3	0.0005000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PCB	3	0.0000100	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PAH	3	0.0050000	0	0.000000	0.000000	0.000000
NAPHTHALENE	3	0.0020000	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	3	0.0010000	0	0.000000	0.000000	0.000000
BENZO(B)FLUORANTHENE	3	0.0001000	0	0.000000	0.000000	0.000000
ACENAPHTHYLENE	3	0.0025000	0	0.000000	0.000000	0.000000
CHRYSENE	3	0.0005000	0	0.000000	0.000000	0.000000
BENZO(K)FLUORANTHENE	3	0.0001000	0	0.000000	0.000000	0.000000
ACENAPHTHENE	3	0.0020000	0	0.000000	0.000000	0.000000
FLUORANTHENE	3	0.0005000	0	0.000000	0.000000	0.000000
BENZO(GHI)PERYLENE	3	0.0001000	0	0.000000	0.000000	0.000000
FLUORENE	3	0.0005000	0	0.000000	0.000000	0.000000
PYRENE	3	0.0005000	0	0.000000	0.000000	0.000000
ANTHRACENE	3	0.0005000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	3	0.0005000	0	0.000000	0.000000	0.000000
INDENO(1,2,3-CD)PYRENE	3	0.0005000	0	0.000000	0.000000	0.000000
PHENANTHRENE	3	0.0010000	0	0.000000	0.000000	0.000000
DIBENZE(A,H)ANTHRACENE	3	0.0005000	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AMMONIA NITROGEN	3	0.0300000	3	0.820000	5.470000	2.620000
TOTAL ORGANIC CARBON	3	0.0001000	1	0.000050	0.000440	0.000180

ACID VOLATILES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PHENOLS	3	0.0500000	0	0.000000	0.000000	0.000000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.106
    Site Name: CORPUS CHRISTI SHIP CHANNEL DA NO.1
    Geographical position: (NAD 1927)

    27E49'10.0" N 097E01'09.0" W 27E48'42.0" N 097E00'21.0" W
    27E48'06.0" N 097E00'48.0" W 27E48'33.0" N 097E01'36.0" W

    Depth(ft): Low Depth- 35 High Depth- 50
    Nearest Distance from shore (nm): 1.5

General Comments About The Disposal Site
Restrictions: Disposal shall be limited to dredged material from the Corpus Christi Ship Channel, Texas.

Reference Site Location:
Site No: 181
Site Name: CORPUS CHRISTI SHIP CHANNEL REFERENCE AREA

Geographical position (NAD 1927)

27E50'10.0" N 096E59'17.0" W 27E50'20.0"N 096E59'09.0" W
27E50'48.0" N 096E59'57.0" W 27E50'38.0"N 097E00'05.0" W

Depth (ft): Low Depth- 40 High Depth- 44
Nearest Distance from shore (nm): 2.2

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: ROB HAUCH 409-766-3913

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SWG [DS= 2437]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. MATAGORDA SHIP CHANNEL, TEXAS
      ENTRANCE CHANNEL (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 381,800

7. Expected frequency of dumping (for reporting period):
   a. 5/D;7D/WK
   b. Actual start: 07/16/99
   c. Actual completion: 08/03/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	3	0.1000000	3	2.710000	3.150000	2.890000
MERCURY	3	0.0200000	1	0.010000	0.040000	0.020000
CADMIUM	3	0.1000000	0	0.000000	0.000000	0.000000
LEAD	3	0.1000000	3	0.870000	5.860000	3.480000
CHROMIUM	3	0.1000000	3	4.340000	11.400000	7.300000
COPPER	3	0.1000000	3	1.010000	7.300000	3.810000
NICKEL	3	0.1000000	3	2.070000	8.030000	4.830000
ZINC	3	0.1000000	3	2.590000	14.900000	8.690000
SELENIUM	3	0.2000000	0	0.000000	0.000000	0.000000
SILVER	3	0.1000000	0	0.000000	0.000000	0.000000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	3	0.0100000	0	0.000000	0.000000	0.000000
CHLORDANE	3	0.0100000	0	0.000000	0.000000	0.000000
DIELDRIN	3	0.0100000	0	0.000000	0.000000	0.000000
ALPHA-ENDOSULFAN	3	0.0100000	0	0.000000	0.000000	0.000000
BETA-ENDOSULFAN	3	0.0100000	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	3	0.0100000	0	0.000000	0.000000	0.000000
DDD	3	0.0100000	0	0.000000	0.000000	0.000000
DDE	3	0.0100000	0	0.000000	0.000000	0.000000
DDT	3	0.0100000	0	0.000000	0.000000	0.000000
ENDRIN	3	0.0050000	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	3	0.0050000	0	0.000000	0.000000	0.000000
HEPTACHLOR	3	0.0100000	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	3	0.0100000	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	3	0.0100000	0	0.000000	0.000000	0.000000
BETA-LINDANE	3	0.0100000	0	0.000000	0.000000	0.000000
DELTA-LINDANE	3	0.0100000	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	3	0.0100000	0	0.000000	0.000000	0.000000
TOXAPHENE	3	0.0500000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PCB	3	0.0010000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PAH	3	0.5000000	0	0.000000	0.000000	0.000000
NAPHTHALENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(B)FLUORANTHENE	3	0.0200000	0	0.000000	0.000000	0.000000
ACENAPHTHYLENE	3	0.0200000	0	0.000000	0.000000	0.000000
CHRYSENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(K)FLUORANTHENE	3	0.0200000	0	0.000000	0.000000	0.000000
ACENAPHTHENE	3	0.0200000	0	0.000000	0.000000	0.000000
FLUORANTHENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(GHI)PERYLENE	3	0.0200000	0	0.000000	0.000000	0.000000
FLUORENE	3	0.0200000	0	0.000000	0.000000	0.000000
PYRENE	3	0.0200000	0	0.000000	0.000000	0.000000
ANTHRACENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	3	0.0200000	0	0.000000	0.000000	0.000000
INDENO(1,2,3-CD)PYRENE	3	0.0200000	0	0.000000	0.000000	0.000000
PHENANTHRENE	3	0.0200000	0	0.000000	0.000000	0.000000
DIBENZE(A,H)ANTHRACENE	3	0.0200000	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AMMONIA NITROGEN	3	0.1000000	3	1.330000	17.900000	8.330000
% TOTAL VOLATILE SOLIDS	3	0.1000000	3	0.270000	1.340000	0.820000
TOTAL SOLIDS	3	0.0000000	3	55.800000	79.500000	68.800000
TOTAL ORGANIC CARBON	3	0.0050000	3	0.348000	0.950000	0.619700
TOTAL SULFIDES	3	0.1000000	0	0.000000	0.000000	0.000000
% SAND	3	0.1000000	3	91.800000	99.900000	96.400000
% SILT	3	0.1000000	3	0.100000	5.400000	2.700000
% CLAY	3	0.1000000	1	0.005000	2.800000	0.970000

ACID VOLATILES

TOTAL PHENOLS	3	1.0000000	0	0.000000	0.000000	0.000000

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

Elutriate Test Chemical Data

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	3	0.0010000	0	0.000000	0.000000	0.000000
MERCURY	3	0.0002000	0	0.000000	0.000000	0.000000
CADMIUM	3	0.0001000	0	0.000000	0.000000	0.000000
LEAD	3	0.0010000	0	0.000000	0.000000	0.000000
CHROMIUM	3	0.0010000	1	0.000500	0.001540	0.000847
COPPER	3	0.0010000	0	0.000000	0.000000	0.000000
NICKEL	3	0.0010000	0	0.000000	0.000000	0.000000
ZINC	3	0.0010000	3	0.001100	0.003500	0.002500
SELENIUM	3	0.0050000	0	0.000000	0.000000	0.000000
SILVER	3	0.0010000	0	0.000000	0.000000	0.000000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	3	0.0000400	0	0.000000	0.000000	0.000000
CHLORDANE	3	0.0001400	0	0.000000	0.000000	0.000000
DIELDRIN	3	0.0000200	0	0.000000	0.000000	0.000000
ALPHA-ENDOSULFAN	3	0.0001000	0	0.000000	0.000000	0.000000
BETA-ENDOSULFAN	3	0.0001000	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	3	0.0001000	0	0.000000	0.000000	0.000000
DDD	3	0.0001000	0	0.000000	0.000000	0.000000
DDE	3	0.0001000	0	0.000000	0.000000	0.000000
DDT	3	0.0001000	0	0.000000	0.000000	0.000000
ENDRIN	3	0.0000600	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	3	0.0000600	0	0.000000	0.000000	0.000000
HEPTACHLOR	3	0.0000300	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	3	0.0000300	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	3	0.0000200	0	0.000000	0.000000	0.000000
BETA-LINDANE	3	0.0000200	0	0.000000	0.000000	0.000000
DELTA-LINDANE	3	0.0000200	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	3	0.0000200	0	0.000000	0.000000	0.000000
TOXAPHENE	3	0.0005000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PCB	3	0.0000100	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PAH	3	0.0050000	0	0.000000	0.000000	0.000000
NAPHTHALENE	3	0.0020000	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	3	0.0010000	0	0.000000	0.000000	0.000000
BENZO(B)FLUORANTHENE	3	0.0001000	0	0.000000	0.000000	0.000000
ACENAPHTHYLENE	3	0.0025000	0	0.000000	0.000000	0.000000
CHRYSENE	3	0.0005000	0	0.000000	0.000000	0.000000
BENZO(K)FLUORANTHENE	3	0.0001000	0	0.000000	0.000000	0.000000
ACENAPHTHENE	3	0.0020000	0	0.000000	0.000000	0.000000
FLUORANTHENE	3	0.0005000	0	0.000000	0.000000	0.000000
BENZO(GHI)PERYLENE	3	0.0001000	0	0.000000	0.000000	0.000000
FLUORENE	3	0.0005000	0	0.000000	0.000000	0.000000
PYRENE	3	0.0005000	0	0.000000	0.000000	0.000000
ANTHRACENE	3	0.0005000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	3	0.0005000	0	0.000000	0.000000	0.000000
INDENO(1,2,3-CD)PYRENE	3	0.0005000	0	0.000000	0.000000	0.000000
PHENANTHRENE	3	0.0010000	0	0.000000	0.000000	0.000000
DIBENZE(A,H)ANTHRACENE	3	0.0005000	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AMMONIA NITROGEN	3	0.0300000	3	2.020000	5.200000	3.310000
TOTAL ORGANIC CARBON	3	0.0001000	0	0.000000	0.000000	0.000000

ACID VOLATILES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PHENOLS	3	0.0500000	0	0.000000	0.000000	0.000000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.105
    Site Name: MATAGORDA SHIP CHANNEL DISPOSAL AREA NO. 1
    Geographical position: (NAD 1927)

    28E23'48.0" N 096E18'00.0" W 28E23'21.0" N 096E18'31.0" W
    28E22'43.0" N 096E17'52.0" W 28E23'11.0" N 096E17'22.0" W

    Depth(ft): Low Depth- 25 High Depth- 40
    Nearest Distance from shore (nm): 1.5

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material from the Matagorda Ship Channel, Texas.

Reference Site Location:
Site No: 180
Site Name: MATAGORDA SHIP CHANNEL - REFERENCE AREA

Geographical position (NAD 1927)

28E24'27.0" N 096E16'04.0" W 28E24'33.0"N 096E15'52.0" W
28E25'10.0" N 096E16'30.0" W 28E25'04.0"N 096E16'42.0" W

Depth (ft): Low Depth- 34 High Depth- 40
Nearest Distance from shore (nm): 1.9

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: ROB HAUCH 409-766-3913

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SWG [DS= 2438]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. BRAZOS ISLAND HARBOR, TEXAS
      ENTRANCE CHANNEL (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE
      PIPELINE DISCHARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 142,700

7. Expected frequency of dumping (for reporting period):
   a. 5/D;7D/WK
   b. Actual start: 01/31/99
   c. Actual completion: 03/03/99

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE
    RESLURRY AND HYDRAULIC DISCHARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.999
    Site Name: CORRECT DISPOSAL SITE NOT IN DATABASE

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
Ampelisca abdita
Palaemonetes pugio

17. Bioassay Bioaccumulation Information (Organisms Tested):
Macoma nasuta
Nereis virens

18. General Comments

All dredged material was used beneficially. A hopper dredge was used to place 186,571 cy into a nearshore berm. A pipeline cutterhead dredge was used to deposit 494,766 cy of material for beach nourishment.

19. Point of Contact: ROB HAUCH 409-766-3913

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SWG [DS= 2439]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. HOUSTON-GALVESTON NAVIGATION CH., TEXAS
      ENTRANCE CHANNEL EXTENSION (New Work)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      CLUMPED or COHESIVE

6. Total quantity (cubic meters): 2,446,300

7. Expected frequency of dumping (for reporting period):
   a. 5/D;7D/WK
   b. Actual start: 01/01/99
   c. Actual completion: 02/14/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
      Site No.999
      Site Name: CORRECT DISPOSAL SITE NOT IN DATABASE

Reference Site Location:
   Site No: 170
   Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
   Selective Disposal was used
   No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

All dredged material was used beneficially to construct a nearshore berm/fishery habitat.

19. Point of Contact: ROB HAUCH 409-766-3913

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SWG [DS= 2440]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. FREEPORT HARBOR, TEXAS
      ENTRANCE AND JETTY CHANNEL (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 930,400

7. Expected frequency of dumping (for reporting period):
   a. 5/D;7D/WK
   b. Actual start: 09/30/99
   c. Actual completion: 12/31/99

8. Composition of the dredged material.

CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 1998

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.162
    Site Name: FREEPORT HARBOR MAINTENANCE
    Geographical position: (NAD 1927)

28E54'00.0" N 095E15'49.0" W 28E53'28.0" N 095E15'16.0" W
28E52'00.0" N 095E16'59.0" W 28E52'32.0" N 095E17'32.0" W

    Depth(ft): Low Depth- 31 High Depth- 38
    Nearest Distance from shore (nm): 3.0

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material from the Freeport Harbor Entrance and Jetty Channels, Texas.

Reference Site Location:
Site No: 179
Site Name: FREEPORT HARBOR - REFERENCE AREA

Geographical position (NAD 1927)

28E54'28.0" N 095E13'40.0" W	28E54'35.0"N 095E13'28.0" W
28E55'07.0" N 095E14'01.0" W	28E54'60.0"N 095E14'13.0" W

Depth (ft): Low Depth- 39 High Depth- 44
Nearest Distance from shore (nm): 3.2

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
Cyprinodon variegatus
Mysidopsis bahia

16. Bioassay Solid Phase Information (Organisms Tested):
Ampelisca abdita
Palaemonetes pugio

17. Bioassay Bioaccumulation Information (Organisms Tested):
Macoma nasuta
Nereis virens

18. General Comments

19. Point of Contact: ROB HAUCH 409-766-3913

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SWG [DS= 2441]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. HOUSTON-GALVESTON NAVIGATION CH., TEXAS
      ENTRANCE AND JETTY CHANNEL (New Work)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      CLUMPED or COHESIVE

6. Total quantity (cubic meters): 3,899,500

7. Expected frequency of dumping (for reporting period):
   a. 12/D;7D/WK
   b. Actual start: 09/03/99
   c. Actual completion: 12/31/99

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE
      DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
      Site No.999
      Site Name: CORRECT DISPOSAL SITE NOT IN DATABASE

Reference Site Location:
   Site No: 170
   Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
Selective Disposal was used
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

All dredged material was used beneficially to construct a nearshore bern/fishery habitat.

19. Point of Contact: ROB HAUCH 409-766-3913

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SPL [DS= 2493]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. NEWPORT BAY HARBOR, ORANGE COUNTY, CALIFORNIA
      NEWPORT BAY HARBOR DREDGING PROJECT (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 145,700

7. Expected frequency of dumping (for reporting period):
   a. 12 HOUR PD
   b. Actual start: 01/01/99
   c. Actual completion: 03/01/99

8. Composition of the dredged material.

CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 1998

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 17
    Site Name: NEWPORT BEACH (LA-3)
    Geographical position: (NAD 1927)

Disposal site is a circle with a diameter of 1440 feet.

Center of Site is:
33E31'42.0" N 117E51'18.0" W
Depth(ft): Low Depth- 1500 High Depth- 0
Nearest Distance from shore (nm): 4.3

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
Seasonal restrictions were enforced
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: RUSSELL KAISER 213-452-3293

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SPL [DS= 2494]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. LOS ANGELES RIVER ESTUARY, LOS ANGELES COUNTY, CA
      LOS ANGELES RIVER ESTUARY MAINTENANCE DREDGING (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 25,200

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 05/06/99
   c. Actual completion: 05/31/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Not Known if data calculated on a Wet or Dry Basis)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	3	0.1000000	0	0.000000	0.000000	0.000000
MERCURY	3	0.0200000	0	0.000000	0.000000	0.000000
CADMIUM	3	0.1000000	0	0.000000	0.000000	0.000000
LEAD	3	0.1000000	1	0.200000	0.200000	0.200000
CHROMIUM	3	0.1000000	0	0.000000	0.000000	0.000000
COPPER	3	0.1000000	0	0.000000	0.000000	0.000000
NICKEL	3	0.1000000	0	0.000000	0.000000	0.000000
ZINC	3	0.1000000	3	0.220000	0.360000	0.273000
SELENIUM	3	0.1000000	0	0.000000	0.000000	0.000000
SILVER	3	0.1000000	0	0.000000	0.000000	0.000000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
DIELDRIN	3	0.0030000	2	0.003400	0.003700	0.003600
ENDOSULFAN	3	0.0030000	2	0.003400	0.003700	0.003600
ENDOSULFAN SULFATE	3	0.0030000	2	0.003400	0.003700	0.003600
DDD	3	0.0030000	2	0.003400	0.003700	0.003600
DDE	3	0.0030000	2	0.003400	0.003700	0.003600
DDT	3	0.0030000	2	0.003400	0.003700	0.003600
ENDRIN	3	0.0030000	2	0.003400	0.003700	0.003600
ENDRIN ALDEHYDE	3	0.0030000	2	0.003400	0.003700	0.003600
HEPTACHLOR EPOXIDE	3	0.0030000	2	0.003400	0.003700	0.003600

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PCB	3	0.0005000	0	0.000000	0.000000	0.000000
AROCHLOR 1016	3	0.0005000	3	0.015000	0.018000	0.017000
AROCHLOR 1221	3	0.0005000	3	0.015000	0.018000	0.017000
AROCHLOR 1232	3	0.0005000	3	0.015000	0.018000	0.017000
AROCHLOR 1242	3	0.0005000	3	0.015000	0.018000	0.017000
AROCHLOR 1254	3	0.0000000	3	0.015000	0.018000	0.017000
AROCHLOR 1260	3	0.0005000	3	0.021000	0.094000	0.053000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PAH	3	0.0260000	3	1.272000	2.579000	1.767000
NAPHTHALENE	3	0.0260000	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	3	0.0260000	3	0.066000	0.148000	0.100000
BENZO(B)FLUORANTHENE	3	0.0260000	3	0.106000	0.176000	0.132000
ACENAPHTHYLENE	3	0.0260000	0	0.000000	0.000000	0.000000
CHRYSENE	3	0.0260000	3	0.126000	0.281000	0.189000
BENZO(K)FLUORANTHENE	3	0.0260000	3	0.079000	0.159000	0.110000
ACENAPHTHENE	3	0.0260000	0	0.000000	0.000000	0.000000
FLUORANTHENE	3	0.0260000	3	0.150000	0.289000	0.201000
BENZO(GHI)PERYLENE	3	0.0260000	3	0.144000	0.294000	0.606000
FLUORENE	3	0.0260000	1	0.039000	0.039000	0.039000
PYRENE	3	0.0260000	3	0.250000	0.511000	0.352000
ANTHRACENE	3	0.0260000	1	0.028000	0.028000	0.028000
BENZO(A)PYRENE	3	0.0260000	3	0.070000	0.161000	0.110000
INDENO(1,2,3-CD)PYRENE	3	0.0260000	3	0.106000	0.209000	0.155000
PHENANTHRENE	3	0.0260000	3	0.097000	0.233000	0.151000
DIBENZE(A,H)ANTHRACENE	3	0.0260000	28	0.026000	0.046000	0.036000

TINS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TRIBUTYLTIN	3	0.0013000	3	0.001900	0.033000	0.002500
DIBUTYLTIN	3	0.0013000	3	0.001700	0.015000	0.006200
MONOBUTYLTIN	3	0.0013000	3	0.001700	0.015000	0.006200

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% SAND	3	0.0000000	0	62.300000	34.800000	46.400000
% SILT	3	0.0000000	0	45.100000	23.300000	36.900000
% CLAY	3	0.0000000	0	13.200000	20.100000	16.200000

BASE NEUTRALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
BUTYL BENZYL PHTHALATE	3	0.0000000	0	0.180000	0.260000	0.220000
DIETHYL PHTHALATE	3	0.0000000	0	0.000000	0.000000	0.000000
DIMETHYL PHTHALATE	3	0.0000000	0	0.020000	0.020000	0.020000
DI-N-BUTYL PHTHALATE	3	0.0000000	0	0.072000	0.311000	0.160000
DI-N-OCTYL PHTHALATE	3	0.0000000	0	0.126000	0.168000	0.147000

ACID VOLATILES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
BIS(2-ETHYLHEXYL)PHTHAL	3	0.0000000	3	3.100000	16.200000	10.818000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 36
    Site Name: LOS ANGELES/LONG BEACH (LA-2)
    Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 6000 feet.

Center of Site is:
33E37'06.0" N 118E17'24.0" W
Depth(ft): Low Depth- 380 High Depth- 1060
Nearest Distance from shore (nm): 5.2

General Comments About The Disposal Site
Restrictions: Disposal shall be limimted to dredged materials that comply with EPA's Ocean Dumping Regulations.

Reference Site Location:
Site No: 195
Site Name: LA-2 REFERENCE

Geographical position (NAD 1927)

33E 33' 11. N 118E 10' 49. W

Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

General Comments About The Reference Site
added by David Zoutendyk 10/22/1997

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
Mytilus edulis
Menidia berylina
Mysidopsis bahia
Eohaustorius estuarius

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
Macoma nasuta
Nephtys caedoides

18. General Comments

19. Point of Contact: RUSSELL KAISER 213-452-3293

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SPN [DS= 2478]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. OAKLAND, CA
      OAKLAND HARBOR 42' MAINTAINENCE (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 236,400

7. Expected frequency of dumping (for reporting period):
   a. 1 LOAD/DAY
   b. Actual start: 09/01/99
   c. Actual completion: 12/31/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Not Known if data calculated on a Wet or Dry Basis)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	15	0.5000000	15	2.600000	4.200000	3.500000
MERCURY	15	0.2000000	0	0.200000	0.200000	0.200000
CADMIUM	15	0.0500000	15	0.200000	0.500000	0.300000
LEAD	15	0.0200000	15	5.300000	7.700000	6.600000
CHROMIUM	15	0.2000000	15	37.100000	59.600000	50.000000
COPPER	15	0.1000000	15	20.700000	50.700000	36.600000
NICKEL	15	0.2000000	15	41.600000	72.200000	59.600000
ZINC	15	0.5000000	15	45.500000	96.000000	76.400000
SELENIUM	15	1.0000000	14	1.000000	5.000000	3.700000
SILVER	15	0.0200000	15	0.300000	0.700000	0.480000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	14	2.0000000	0	2.000000	2.000000	2.000000
ALPHA-CHLORDANE	14	2.0000000	0	2.000000	2.000000	2.000000
ALPHA-ENDOSULFAN	14	2.0000000	0	2.000000	2.000000	2.000000
BETA-ENDOSULFAN	14	2.0000000	0	2.000000	2.000000	2.000000
ENDOSULFAN SULFATE	14	2.0000000	0	2.000000	2.000000	2.000000
DDD	14	2.0000000	0	2.000000	2.000000	2.000000
DDE	14	2.0000000	0	2.000000	2.000000	2.000000
DDT	14	2.0000000	0	2.000000	2.000000	2.000000
ENDRIN	14	2.0000000	0	2.000000	2.000000	2.000000
HEPTACHLOR	14	2.0000000	0	2.000000	2.000000	2.000000
HEPTACHLOR EPOXIDE	14	2.0000000	0	2.000000	2.000000	2.000000
METHOXYCHLOR	14	4.0000000	0	4.000000	4.000000	4.000000
TOXAPHENE	14	30.0000000	0	30.000000	30.000000	30.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AROCHLOR 1016	14	10.0000000	0	10.000000	10.000000	0.000000
AROCHLOR 1221	14	40.0000000	0	40.000000	40.000000	0.000000
AROCHLOR 1232	14	10.0000000	0	10.000000	10.000000	0.000000
AROCHLOR 1242	14	0.0000000	0	10.000000	10.000000	0.000000
AROCHLOR 1248	14	0.0000000	0	10.000000	10.000000	0.000000
AROCHLOR 1254	14	0.0000000	0	10.000000	10.000000	0.000000
AROCHLOR 1260	14	0.0000000	0	10.000000	10.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
NAPHTHALENE	14	5.0000000	1	5.000000	6.000000	5.000000
BENZO(A)ANTHRACENE	14	5.0000000	10	5.000000	15.000000	8.000000
BENZO(B)FLUORANTHENE	14	5.0000000	14	7.000000	24.000000	13.000000
ACENAPHTHYLENE	14	5.0000000	0	5.000000	5.000000	5.000000
CHRYSENE	14	5.0000000	14	7.000000	19.000000	12.000000
BENZO(K)FLUORANTHENE	14	5.0000000	14	6.000000	22.000000	11.000000
ACENAPHTHENE	14	5.0000000	0	5.000000	5.000000	5.000000
FLUORANTHENE	14	5.0000000	14	10.000000	36.000000	19.000000
BENZO(GHI)PERYLENE	14	5.0000000	14	13.000000	35.000000	21.000000
FLUORENE	14	5.0000000	0	5.000000	5.000000	5.000000
PYRENE	14	5.0000000	14	12.000000	52.000000	25.000000
ANTHRACENE	14	5.0000000	10	5.000000	9.000000	7.000000
BENZO(A)PYRENE	14	5.0000000	14	9.000000	33.000000	17.000000
INDENO(1,2,3-CD)PYRENE	14	5.0000000	14	9.000000	28.000000	16.000000
PHENANTHRENE	14	5.0000000	14	10.000000	27.000000	18.000000
DIBENZE(A,H)ANTHRACENE	14	5.0000000	0	5.000000	5.000000	5.000000

TINS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TRIBUTYLTIN	14	1.0000000	1	1.000000	38.000000	3.600000
DIBUTYLTIN	14	1.0000000	1	1.000000	30.000000	3.100000
MONOBUTYLTIN	14	1.0000000	1	1.000000	3.000000	1.100000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% TOTAL VOLATILE SOLIDS	16	0.0500000	16	4.000000	10.000000	8.000000
TOTAL ORGANIC CARBON	15	0.0500000	15	1.000000	3.000000	2.200000
TOTAL SULFIDES	16	2.0000000	0	2.000000	2.000000	2.000000
% SAND	16	0.0000000	16	13.400000	59.500000	28.500000
% SILT	16	0.0000000	16	22.600000	53.000000	39.200000
% CLAY	16	0.0000000	16	18.100000	45.800000	33.900000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No.193
Site Name: SAN FRANCISCO DEEP OCEAN DISPOSAL SITE
Geographical position: (NAD 1983)

37E39'00.0" N 123E29'00.0" W
Depth(ft): Low Depth- 8200 High Depth- 9840
Nearest Distance from shore (nm): 0.0

General Comments About The Disposal Site
Location: Center coordinates of the oval-shaped site are:
37 deg.39.0' North latitude by 123 deg.29.0' West longitude
(North American Datum from 1983), with length (north-south axis)
and width (west-east axis) dimensions of approximately 4 nautical
miles (7.5 kilometers) and 2.5 nautical miles (4.5 kilometers),
respectively.
Seabird and Marine mammel monitoring were performed in 1995.

Added by Belinda Spalding, Oct. 1996.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
Selective Disposal was used
Site Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed
Biological Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: MICHAEL DONNELLY 415-977-8699

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SPN [DS= 2479]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. SAN FRANCISCO, CA
      SAN FRANCISCO MAINSHIP CHANNEL (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 205,000

7. Expected frequency of dumping (for reporting period):
   a. 1 LOAD/DAY
   b. Actual start: 05/01/99
   c. Actual completion: 06/30/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 33
    Site Name: SAN FRANCISCO CHANNEL BAR (SF-8)
    Geographical position: (NAD 1927)

37E44'55. " N 122E37'18. " W 37E45'45. " N 122E34'24. " W
37E44'24. " N 122E37'06. " W 37E45'15. " N 122E34'12. " W

Depth(ft): Low Depth- 36 High Depth- 40
Nearest Distance from shore (nm): 6.8

General Comments About The Disposal Site

Restriction: Disposal shall be limited to material from required dredging operations at the entrance of the San Francisco main ship channel which is composed primarily of sand having grain sizes compatible with naturally occurring sediments at the disposal site and containing approximately 5 percent of particles having grain sizes finer than that normally attributed to very fine sand (.075 millimeters). Other dredged materials meeting the requirements of 40 CFR 227.13 but having smaller grain sizes may be dumped at this site only upon completion of an appropriate case-by-case evaluation of the impact of such material on the site which demonstrates that such impact will be acceptable.

Reference Site Location:

Site No: 170

Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:

Selective Disposal was used

No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):

No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):

No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):

No Bioassay testing was done

18. General Comments

19. Point of Contact: MICHAEL DONNELLY 415-977-8699

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NWP [DS= 2416]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. YAQUINA BAY
      YAQUINA (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 182,700

7. Expected frequency of dumping (for reporting period):
   a. INTERMIT
   b. Actual start: 07/24/99
   c. Actual completion: 09/12/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 27
    Site Name: YAQUINA BAY AND HARBOR ENTRANCE
    Geographical position: (NAD 1927)

44E36'31.0" N 124 06'04.0" W 44E36'31.0" N 124 05'16.0" W
44E36'17.0" N 124 05'16.0" W 44E36'17.0" N 124 06'04.0" W

    Depth(ft): Low Depth- 50 High Depth- 59
    Nearest Distance from shore (nm): 1.2

Reference Site Location:

Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Dredging Dates: 07/24-31/1999, 08/09-12/1999, 09/01-12/1999

19. Point of Contact: TIM SHERMAN 503-808-4884

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NWP [DS= 2417]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. SIUSLAW
      SIUSLAW (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 33,300

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 08/05/99
   c. Actual completion: 08/08/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 26
    Site Name: SIUSLAW RIVER ENTRANCE
    Geographical position: (NAD 1927)

    44E01'23.0" N 124 09'37.0" W 44E01'22.0" N 124 09'02.0" W
    44E01'14.0" N 124 09'07.0" W 44E01'24.0" N 124 09'42.0" W

    Depth(ft): Low Depth- 69 High Depth- 0
    Nearest Distance from shore (nm): 1.0

Reference Site Location:

Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: TIM SHERMAN 503-808-4884

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NWP [DS= 2418]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. UMPQUA
      UMPQUA (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 129,000

7. Expected frequency of dumping (for reporting period):
   a. INTERMIT
   b. Actual start: 07/09/99
   c. Actual completion: 10/27/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 25
    Site Name: UMPQUA RIVER ENTRANCE
    Geographical position: (NAD 1927)

43E40'07.0" N 124 14'18.0" W 43E40'07.0" N 124 13'42.0" W
43E39'53.0" N 124 13'42.0" W 43E39'53.0" N 124 14'18.0" W

    Depth(ft): Low Depth- 90 High Depth- 105
    Nearest Distance from shore (nm): 0.8

Reference Site Location:

Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Dredging occurred: 07/09-12, 17, 18,20-27/1999, 10/23-27/1999

19. Point of Contact: TIM SHERMAN 503-808-4884

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NWP [DS= 2419]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. COQUILLE
      COQUILLE (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 14,100

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 07/15/99
   c. Actual completion: 07/17/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 24
    Site Name: COQUILLE RIVER ENTRANCE
    Geographical position: (NAD 1927)

43E08'26.0" N 124 26'44.0" W 43E00'03.0" N 124 26'08.0" W
43E08'13.0" N 124 27'00.0" W 43E07'50.0" N 124 26'23.0" W

    Depth(ft): Low Depth- 66 High Depth- 0
    Nearest Distance from shore (nm): 0.9

General Comments About The Disposal Site
Restrictions: Disposal shall be limited to dredged material from the Coquille Estuary and River and adjacent areas.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: TIM SHERMAN 503-808-4884

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NWP [DS= 2420]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. CHETCO
      CHETCO (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 30,400

7. Expected frequency of dumping (for reporting period):
   a. INTERMIT
   b. Actual start: 06/22/99
   c. Actual completion: 07/20/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 21
    Site Name: CHETCO RIVER ENTRANCE
    Geographical position: (NAD 1983)

42E01'55.0" N 124 16'37.0" W 42E01'55.0" N 124 16'13.0" W
42E01'37.0" N 124 16'13.0" W 42E01'37.0" N 124 16'37.0" W

    Depth(ft): Low Depth- 69 High Depth- 72
    Nearest Distance from shore (nm): 0.9

General Comments About The Disposal Site
Restrictions: Disposal shall be limited to dredged material determined to be suitable for unconfined disposal from the Chetco Estuary and River and adjacent areas.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Dredging dates: 06/22-25/1999 and 07/19-20/1999.

19. Point of Contact: TIM SHERMAN 503-808-4884

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NWP [DS= 2421]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. COOS BAY F
      COOS BAY F (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 575,400

7. Expected frequency of dumping (for reporting period):
   a. INTERMIT
   b. Actual start: 07/12/99
   c. Actual completion: 10/23/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% MOISTURE	2	0.0000000	0	24.920000	48.820000	36.870000
TOTAL SOLIDS	2	0.0000000	0	48.820000	75.080000	61.950000
% SAND	2	0.0000000	0	54.700000	96.100000	75.400000
% SILT	2	0.0000000	0	1.060000	25.970000	12.830000
% CLAY	2	0.0000000	0	2.850000	19.290000	11.070000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 49
Site Name: COOS BAY ENTRANCE F (PRE 1989)
Geographical position: (NAD 1927)

43E22'44.0" N 124E22'18.0" W 43E22'29.0" N 124E21'34.0" W
43E22'16.0" N 124E21'42.0" W 43E22'31.0" N 124E22'26.0" W

Depth(ft): Low Depth- 79 High Depth- 0
Nearest Distance from shore (nm): 1.0

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Dredging occurred: 07/12-17, 20, 27-31/1999, 08/01-14/1999,
08/28-09/02/1999 , 09/06-20/1999, 10/17-23/1999

19. Point of Contact: TIM SHERMAN 503-808-4884

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NWP [DS= 2422]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. COOS BAY H
      COOS BAY H (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 626,100

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 08/15/99
   c. Actual completion: 11/05/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Not Known if data calculated on a Wet or Dry Basis)

Sediment Chemical Characteristics

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% MOISTURE	13	0.0000000	0	14.400000	25.500000	25.600000
TOTAL SOLIDS	13	0.0000000	0	74.500000	85.600000	74.400000
% SAND	13	0.0000000	0	84.700000	99.900000	95.900000
% SILT	13	0.0000000	0	0.060000	13.240000	2.400000
% CLAY	13	0.0000000	0	0.000000	2.110000	0.770000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 61
Site Name: COOS BAY SITE H
Geographical position: (NAD 1927)

43E23'53.0" N 124E22'48.0" W 43E23'42.0" N 124E23'01.0" W
43E24'16.0" N 124E23'26.0" W 43E24'05.0" N 124E23'38.0" W

Depth(ft): Low Depth- 164 High Depth- 0
Nearest Distance from shore (nm): 3.7

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material in the Coos Bay area of type 2 and 3, as defined in the site designation final EIS.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: TIM SHERMAN 503-808-4884

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NWP [DS= 2424]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. MCR E
      MCR E (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 2,847,600

7. Expected frequency of dumping (for reporting period):
   a. INTERMIT
   b. Actual start: 06/17/99
   c. Actual completion: 09/26/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 45
    Site Name: MOUTH OF COLUMBIA RIVER SITE E (PRE 1997)
    Geographical position: (NAD 1927)

    46E15'43.0" N 124E05'21.0" W 46E15'36.0" N 124E05'11.0" W
    46E15'11.0" N 124E05'53.0" W 46E15'18.0" N 124E06'03.0" W

    Depth(ft): Low Depth- 52 High Depth- 69
    Nearest Distance from shore (nm): 0.0

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material from the Columbia River entrance channel and adjacent areas.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Dredge Essayons, Dredging Dates: 06/01-17/1999, 07/19-31/1999, 08/17-27/1999, 09/13-26/1999

19. Point of Contact: TIM SHERMAN 503-808-4884

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NWP [DS= 2425]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. MCR F
      MCR F (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 200,100

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 10/20/99
   c. Actual completion: 10/25/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 46
    Site Name: MOUTH OF COLUMBIA RIVER SITE F (PRE 1992)
    Geographical position: (NAD 1927)

    46E12'12.0" N 124E09'00.0" W 46E12'00.0" N 124E08'42.0" W
    46E11'48.0" N 124E09'00.0" W 46E12'00.0" N 124E09'18.0" W

    Depth(ft): Low Depth- 69 High Depth- 130
    Nearest Distance from shore (nm): 0.0

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material from the Columbia River entrance channel and adjacent areas.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: TIM SHERMAN 503-808-4884

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: POA [DS= 2412]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. NOME, ALASKA
      NOME SMALL BOAT HARBOR (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: MECHANICAL DREDGE
   b. Mode of transportation: PIPELINE DISCHARGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 2,800

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 06/14/99
   c. Actual completion: 07/06/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: PIPE ABOVE WATER SURFACE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 69
    Site Name: NOME EAST
    Geographical position: (NAD 1927)

64E29'54. " N 165E24'41. " W 64E29'45. " N 165E23'27. " W
64E28'57. " N 165E23'29. " W 64E29'07. " N 165E24'25. " W

    Depth(ft): Low Depth- 3 High Depth- 39
    Nearest Distance from shore (nm): 0.0

General Comments About The Disposal Site
Restrictions: Disposal shall be limited to dredged material from Nome, Alaska, and adjacent areas. Use will be coordinated with the City of Nome prior to dredging.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: BARBARA REILLY 907-753-2701

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: POH [DS= 2482]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. KAUAI, HAWAII
      NAWILIWILI DDH (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 87,600

7. Expected frequency of dumping (for reporting period):
   a. DAILY
   b. Actual start: 03/29/99
   c. Actual completion: 04/16/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Not Known if data calculated on a Wet or Dry Basis)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	2	0.1000000	2	11.400000	11.500000	11.450000
MERCURY	2	0.0200000	2	0.050000	0.130000	0.090000
CADMIUM	2	0.1000000	1	0.080000	0.110000	0.095000
LEAD	2	0.1000000	2	7.330000	8.480000	7.905000
CHROMIUM	2	0.1000000	2	51.700000	149.000000	100.350000
COPPER	2	0.1000000	2	11.600000	30.600000	16.100000
NICKEL	2	0.1000000	2	50.100000	110.000000	80.050000
ZINC	2	0.1000000	2	23.500000	42.000000	32.750000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	2	0.0200000	0	0.000000	0.000000	0.000000
CHLORDANE	2	0.0200000	0	0.000000	0.000000	0.000000
DIELDRIN	2	0.0200000	0	0.000000	0.000000	0.000000
ALPHA-ENDOSULFAN	2	0.0200000	0	0.000000	0.000000	0.000000
BETA-ENDOSULFAN	2	0.0200000	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	2	0.0200000	0	0.000000	0.000000	0.000000
DDD	2	0.0200000	0	0.000000	0.000000	0.000000
DDE	2	0.0200000	0	0.000000	0.000000	0.000000
DDT	2	0.0200000	0	0.000000	0.000000	0.000000
ENDRIN	2	0.0200000	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	2	0.0200000	0	0.000000	0.000000	0.000000
HEPTACHLOR	2	0.0200000	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	2	0.0200000	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	2	0.0200000	0	0.000000	0.000000	0.000000
BETA-LINDANE	2	0.0200000	0	0.000000	0.000000	0.000000
DELTA-LINDANE	2	0.0200000	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	2	0.0200000	0	0.000000	0.000000	0.000000
TOXAPHENE	2	0.0200000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AROCHLOR 1016	2	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1221	2	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1232	2	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1242	2	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1254	2	0.0000000	0	0.000000	0.000000	0.000000
AROCHLOR 1260	2	0.0100000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
BENZO(A)ANTHRACENE	2	0.0200000	0	0.000000	0.000000	0.000000
BENZO(B)FLUORANTHENE	2	0.0200000	0	0.000000	0.000000	0.000000
ACENAPHTHYLENE	2	0.0200000	0	0.000000	0.000000	0.000000
CHRYSENE	2	0.0200000	0	0.000000	0.000000	0.000000
BENZO(K)FLUORANTHENE	2	0.0200000	0	0.000000	0.000000	0.000000
ACENAPHTHENE	2	0.0200000	0	0.000000	0.000000	0.000000
FLUORANTHENE	2	0.0200000	0	0.000000	0.000000	0.000000
BENZO(GHI)PERYLENE	2	0.0200000	0	0.000000	0.000000	0.000000
FLUORENE	2	0.0200000	0	0.000000	0.000000	0.000000
PYRENE	2	0.0200000	0	0.000000	0.000000	0.000000
ANTHRACENE	2	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	2	0.0200000	0	0.000000	0.000000	0.000000
INDENO(1,2,3-CD)PYRENE	2	0.0200000	0	0.000000	0.000000	0.000000
PHENANTHRENE	2	0.0200000	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL ORGANIC CARBON	2	0.0000000	0	0.700000	1.100000	0.900000
% SAND	2	0.0000000	0	37.300000	76.200000	56.750000
% SILT	2	0.0000000	0	8.000000	36.800000	22.400000
% CLAY	2	0.0000000	0	7.400000	25.800000	16.600000

ACID VOLATILES

2-CHLOROPHENOL	2	0.0200000	0	0.000000	0.000000	0.000000
2,4-DICHLOROPHENOL	2	0.0200000	0	0.000000	0.000000	0.000000
2,4-DIMETHYLPHENOL	2	0.0200000	0	0.000000	0.000000	0.000000
2,4-DINITROPHENOL	2	0.0200000	0	0.000000	0.000000	0.000000
2-NITROPHENOL	2	0.0200000	0	0.000000	0.000000	0.000000
4-NITROPHENOL	2	0.0200000	0	0.000000	0.000000	0.000000
PENTACHLOROPHENOL	2	0.0200000	0	0.000000	0.000000	0.000000
2,4,6-TRICHLOROPHENOL	2	0.0200000	0	0.000000	0.000000	0.000000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 40
    Site Name: KAUAI NAWILIWILI
    Geographical position: (NAD 1927)

Disposal site is a circle with a diameter of 4 feet.

Center of Site is:
21E55'00" N 159E17'00" W
Depth(ft): Low Depth- 2778 High Depth- 3675
Nearest Distance from shore (nm): 4.0

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material.
Active site

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
    No disposal management was performed
    Site Monitoring was performed
    Bathymetry Monitoring was performed
    Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
    Crassostrea gigas
    Menidia beryllina
    Mysidopsis bahia

16. Bioassay Solid Phase Information (Organisms Tested):
    Grandideriella japonica
    Neanthes arenaceodentata

17. Bioassay Bioaccumulation Information (Organisms Tested):
    Macoma nasuta
    Nereis virens

18. General Comments

    Reference Site: Lanikai Beach, Oahu, Hawaii

    For observations <DL, we used 50% of MDL for calculating mean values.

19. Point of Contact: PATRICK TOM 808-438-8874

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: POH [DS= 2486]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. OAHU, HAWAII
      BARBERS POINT HARBOR (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 69,900

7. Expected frequency of dumping (for reporting period):
   a. DAILY
   b. Actual start: 03/13/99
   c. Actual completion: 03/29/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Not Known if data calculated on a Wet or Dry Basis)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	3	0.1000000	3	1.700000	5.400000	3.566670
MERCURY	3	0.0100000	2	0.030000	0.030000	0.030000
CADMIUM	3	0.1000000	2	0.080000	0.150000	0.113333
LEAD	3	0.1000000	3	1.720000	5.040000	3.370000
CHROMIUM	3	0.1000000	3	12.400000	60.000000	32.333300
COPPER	3	0.1000000	3	3.090000	31.500000	14.596667
NICKEL	3	0.1000000	3	18.200000	56.600000	34.433330
ZINC	3	0.1000000	3	6.300000	46.300000	22.333300

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	3	0.0200000	0	0.000000	0.000000	0.000000
CHLORDANE	3	0.0200000	0	0.000000	0.000000	0.000000
DIELDRIN	3	0.0200000	0	0.000000	0.000000	0.000000
ALPHA-ENDOSULFAN	3	0.0200000	0	0.000000	0.000000	0.000000
BETA-ENDOSULFAN	3	0.0200000	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	3	0.0200000	0	0.000000	0.000000	0.000000
DDD	3	0.0200000	0	0.000000	0.000000	0.000000
DDE	3	0.0200000	0	0.000000	0.000000	0.000000
DDT	3	0.0200000	0	0.000000	0.000000	0.000000
ENDRIN	3	0.0200000	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	3	0.0200000	0	0.000000	0.000000	0.000000
HEPTACHLOR	3	0.0200000	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	3	0.0200000	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	3	0.0200000	0	0.000000	0.000000	0.000000
BETA-LINDANE	3	0.0200000	0	0.000000	0.000000	0.000000
DELTA-LINDANE	3	0.0200000	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	3	0.0200000	0	0.000000	0.000000	0.000000
METHOXYCHLOR	3	0.0200000	0	0.000000	0.000000	0.000000
TOXAPHENE	3	0.0200000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AROCHLOR 1016	3	0.0200000	0	0.000000	0.000000	0.000000
AROCHLOR 1221	3	0.0200000	0	0.000000	0.000000	0.000000
AROCHLOR 1232	3	0.0200000	0	0.000000	0.000000	0.000000
AROCHLOR 1242	3	0.0200000	0	0.000000	0.000000	0.000000
AROCHLOR 1254	3	0.0000000	0	0.000000	0.000000	0.000000
AROCHLOR 1260	3	0.0200000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
NAPHTHALENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(B)FLUORANTHENE	3	0.0200000	0	0.000000	0.000000	0.000000
ACENAPHTHYLENE	3	0.0200000	0	0.000000	0.000000	0.000000
CHRYSENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(K)FLUORANTHENE	3	0.0200000	0	0.000000	0.000000	0.000000
ACENAPHTHENE	3	0.0200000	0	0.000000	0.000000	0.000000
FLUORANTHENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(GHI)PERYLENE	3	0.0200000	0	0.000000	0.000000	0.000000
FLUORENE	3	0.0200000	0	0.000000	0.000000	0.000000
PYRENE	3	0.0200000	1	0.000000	0.020000	0.013330
ANTHRACENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	3	0.0200000	0	0.000000	0.000000	0.000000
INDENO(1,2,3-CD)PYRENE	3	0.0200000	0	0.000000	0.000000	0.000000
PHENANTHRENE	3	0.0200000	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL ORGANIC CARBON	3	0.0000000	3	0.300000	4.700000	1.800000
% SAND	3	0.0000000	3	12.200000	53.000000	31.666670
% SILT	3	0.0000000	3	9.800000	43.800000	28.300000
% CLAY	3	0.0000000	3	8.700000	43.300000	25.900000

ACID VOLATILES

2-CHLOROPHENOL	3	0.0200000	0	0.000000	0.000000	0.000000
2,4-DICHLOROPHENOL	3	0.0200000	0	0.000000	0.000000	0.000000
2,4-DIMETHYLPHENOL	3	0.0200000	0	0.000000	0.000000	0.000000
2,4-DINITROPHENOL	3	0.0200000	0	0.000000	0.000000	0.000000
2-NITROPHENOL	3	0.0200000	0	0.000000	0.000000	0.000000
4-NITROPHENOL	3	0.0200000	0	0.000000	0.000000	0.000000
2,4,6-TRICHLOROPHENOL	3	0.0200000	0	0.000000	0.000000	0.000000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 53
    Site Name: SOUTH OAHU SITE
    Geographical position: (NAD 1927)

    21E15'58. " 'N .0157E57'58. " 'W .021E15'24. " N 157E55'58. " W
    21E14'58. " N 157E57'48. " W 21E14'24. " N 157E56'22. " W

    Depth(ft): Low Depth- 1310 High Depth- 1558
    Nearest Distance from shore (nm): 3.0

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material.
Active Site
data updated by Pat Tom 2/2000
Non cicle center coordinates: 21 15' 10", 157 56' 20"

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
    No disposal management was performed
    Site Monitoring was performed
    Bathymetry Monitoring was performed
    Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
    Crassostrea gigas
    Menidia beryllina
    Mysidopsis bahia

16. Bioassay Solid Phase Information (Organisms Tested):
    Grandideriella japonica
    Neanthes arenaceodenata

17. Bioassay Bioaccumulation Information (Organisms Tested):
    Macoma nasuta
    Nereis virens

18. General Comments

    Reference Site: Lanikai Beach, Oahu, Hawaii

    For observations <DL, we uses 50% of MDL for calculating mean values.

19. Point of Contact: PATRICK TOM 808-438-8874

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: POH [DS= 2487]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. MAUI, HAWAII
      KAHULUI HARBOR (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 69,600

7. Expected frequency of dumping (for reporting period):
   a. DAILY
   b. Actual start: 02/07/99
   c. Actual completion: 04/23/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Not Known if data calculated on a Wet or Dry Basis)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	2	0.1000000	2	8.500000	9.200000	8.850000
MERCURY	2	0.0200000	2	0.030000	0.050000	0.040000
CADMIUM	2	0.1000000	1	0.080000	0.100000	0.090000
LEAD	2	0.1000000	2	5.580000	10.400000	7.990000
CHROMIUM	2	0.1000000	2	35.400000	41.500000	38.450000
COPPER	2	0.1000000	2	18.400000	23.300000	20.850000
NICKEL	2	0.1000000	2	63.200000	74.400000	68.800000
ZINC	2	0.1000000	2	33.500000	45.600000	39.550000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	2	0.0200000	0	0.000000	0.000000	0.000000
CHLORDANE	2	0.0200000	0	0.000000	0.000000	0.000000
DIELDRIN	2	0.0200000	0	0.000000	0.000000	0.000000
ALPHA-ENDOSULFAN	2	0.0200000	0	0.000000	0.000000	0.000000
BETA-ENDOSULFAN	2	0.0200000	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	2	0.0200000	0	0.000000	0.000000	0.000000
DDD	2	0.0200000	0	0.000000	0.000000	0.000000
DDE	2	0.0200000	0	0.000000	0.000000	0.000000
DDT	2	0.0200000	0	0.000000	0.000000	0.000000
ENDRIN	2	0.0200000	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	2	0.0200000	0	0.000000	0.000000	0.000000
HEPTACHLOR	2	0.0200000	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	2	0.0200000	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	2	0.0200000	0	0.000000	0.000000	0.000000
BETA-LINDANE	2	0.0200000	0	0.000000	0.000000	0.000000
DELTA-LINDANE	2	0.0200000	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	2	0.0200000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AROCHLOR 1016	2	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1221	2	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1232	2	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1242	2	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1254	2	0.0000000	0	0.000000	0.010000	0.007500
AROCHLOR 1260	2	0.0100000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
NAPHTHALENE	2	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	2	0.0200000	0	0.000000	0.000000	0.000000
BENZO(B)FLUORANTHENE	2	0.0200000	1	0.020000	0.020000	0.020000
ACENAPHTHYLENE	2	0.0200000	0	0.000000	0.000000	0.000000
CHRYSENE	2	0.0200000	0	0.000000	0.000000	0.000000
BENZO(K)FLUORANTHENE	2	0.0200000	0	0.000000	0.000000	0.000000
ACENAPHTHENE	2	0.0200000	0	0.000000	0.000000	0.000000
FLUORANTHENE	2	0.0200000	1	0.000000	0.025000	0.017500
BENZO(GHI)PERYLENE	2	0.0200000	0	0.000000	0.000000	0.000000
FLUORENE	2	0.0200000	0	0.000000	0.000000	0.000000
PYRENE	2	0.0200000	1	0.010000	0.031000	0.020500
ANTHRACENE	2	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	2	0.0200000	0	0.000000	0.000000	0.000000
INDENO(1,2,3-CD)PYRENE	2	0.0200000	0	0.000000	0.000000	0.000000
PHENANTHRENE	2	0.0200000	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL ORGANIC CARBON	2	0.0000000	0	0.300000	0.600000	0.450000
% SAND	2	0.0000000	0	59.800000	73.300000	66.550000
% SILT	2	0.0000000	0	15.000000	26.100000	20.550000
% CLAY	2	0.0000000	0	9.000000	14.000000	11.500000

ACID VOLATILES

2-CHLOROPHENOL	2	0.0200000	0	0.000000	0.000000	0.000000
2,4-DICHLOROPHENOL	2	0.0200000	0	0.000000	0.000000	0.000000
2,4-DIMETHYLPHENOL	2	0.0200000	0	0.000000	0.000000	0.000000
2,4-DINITROPHENOL	2	0.0200000	0	0.000000	0.000000	0.000000
2-NITROPHENOL	2	0.0200000	0	0.000000	0.000000	0.000000
4-NITROPHENOL	2	0.0200000	0	0.000000	0.000000	0.000000
PENTACHLOROPHENOL	2	0.0200000	0	0.000000	0.000000	0.000000
2,4,6-TRICHLOROPHENOL	2	0.0200000	0	0.000000	0.000000	0.000000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 55
    Site Name: KAHULUI
    Geographical position: (NAD 1927)

Disposal site is a circle with a diameter of 6000 feet.

Center of Site is:
21E04'42" N 156E29'00" W
Depth(ft): Low Depth- 1132 High Depth- 1198
Nearest Distance from shore (nm): 5.0

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material.
Active Site

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
    No disposal management was performed
    Site Monitoring was performed
    Bathymetry Monitoring was performed
    Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
    Crassostrea gigas
    Menidia beryllina
    Mysidopsis bahia

16. Bioassay Solid Phase Information (Organisms Tested):
    Grandideriella japonica
    Neanthes arenaceodentata

17. Bioassay Bioaccumulation Information (Organisms Tested):
    Macoma nasuta
    Nereis virens

18. General Comments

    Kahului Harbor maintenance dredged during two separate periods: 7-16 Feb 1999 and 21-23 Apr 1999.

    Reference Site: Lanikai Beach, Oahu, Hawaii

    For observations <DL, we used 50% of MDL for calculating mean values.

19. Point of Contact: PATRICK TOM 808-438-8874

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: POH [DS= 2488]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. KAUAI, HAWAII
      PORT ALLEN HARBOR (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 16,000

7. Expected frequency of dumping (for reporting period):
   a. DAILY
   b. Actual start: 04/16/99
   c. Actual completion: 04/21/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Not Known if data calculated on a Wet or Dry Basis)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	3	0.1000000	2	9.800000	10.500000	6.783330
MERCURY	3	0.0200000	3	0.020000	0.030000	0.026667
CADMIUM	3	0.1000000	0	0.000000	0.000000	0.000000
LEAD	3	0.1000000	2	4.880000	5.150000	3.353330
CHROMIUM	3	0.1000000	3	18.000000	151.000000	102.000000
COPPER	3	0.1000000	3	1.260000	31.400000	20.686667
NICKEL	3	0.1000000	3	10.100000	141.000000	275.700000
ZINC	3	0.1000000	3	0.500000	65.700000	42.300000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	3	0.0200000	0	0.000000	0.000000	0.000000
CHLORDANE	3	0.0200000	0	0.000000	0.000000	0.000000
DIELDRIN	3	0.0200000	0	0.000000	0.000000	0.000000
ALPHA-ENDOSULFAN	3	0.0200000	0	0.000000	0.000000	0.000000
BETA-ENDOSULFAN	3	0.0200000	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	3	0.0200000	0	0.000000	0.000000	0.000000
DDD	3	0.0200000	0	0.000000	0.000000	0.000000
DDE	3	0.0200000	0	0.000000	0.000000	0.000000
DDT	3	0.0200000	0	0.000000	0.000000	0.000000
ENDRIN	3	0.0200000	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	3	0.0200000	0	0.000000	0.000000	0.000000
HEPTACHLOR	3	0.0200000	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	3	0.0200000	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	3	0.0200000	0	0.000000	0.000000	0.000000
BETA-LINDANE	3	0.0200000	0	0.000000	0.000000	0.000000
DELTA-LINDANE	3	0.0200000	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	3	0.0200000	0	0.000000	0.000000	0.000000
TOXAPHENE	3	0.0200000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AROCHLOR 1016	3	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1221	3	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1232	3	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1242	3	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1254	3	0.0000000	0	0.000000	0.000000	0.000000
AROCHLOR 1260	3	0.0100000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
BENZO(A)ANTHRACENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(B)FLUORANTHENE	3	0.0200000	1	0.000000	0.024000	0.017000
ACENAPHTHYLENE	3	0.0200000	0	0.000000	0.000000	0.000000
CHRYSENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(K)FLUORANTHENE	3	0.0200000	0	0.000000	0.000000	0.000000
ACENAPHTHENE	3	0.0200000	0	0.000000	0.000000	0.000000
FLUORANTHENE	3	0.0200000	1	0.000000	0.030000	0.020000
BENZO(GHI)PERYLENE	3	0.0200000	0	0.000000	0.000000	0.000000
FLUORENE	3	0.0200000	0	0.000000	0.000000	0.000000
PYRENE	3	0.0200000	1	0.000000	0.042000	0.026000
ANTHRACENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	3	0.0200000	0	0.000000	0.000000	0.000000
INDENO(1,2,3-CD)PYRENE	3	0.0200000	0	0.000000	0.000000	0.000000
PHENANTHRENE	3	0.0200000	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL ORGANIC CARBON	3	0.0000000	0	0.200000	1.200000	0.600000
% SAND	3	0.0000000	0	67.700000	83.800000	76.733300
% SILT	3	0.0000000	0	9.100000	18.500000	12.433300
% CLAY	3	0.0000000	0	6.400000	13.100000	8.900000

ACID VOLATILES

2-CHLOROPHENOL	3	0.0200000	0	0.000000	0.000000	0.000000
2,4-DICHLOROPHENOL	3	0.0200000	0	0.000000	0.000000	0.000000
2,4-DIMETHYLPHENOL	3	0.0200000	0	0.000000	0.000000	0.000000
2,4-DINITROPHENOL	3	0.0200000	0	0.000000	0.000000	0.000000
2-NITROPHENOL	3	0.0200000	0	0.000000	0.000000	0.000000
4-NITROPHENOL	3	0.0200000	0	0.000000	0.000000	0.000000
PENTACHLOROPHENOL	3	0.0200000	0	0.000000	0.000000	0.000000
2,4,6-TRICHLOROPHENOL	3	0.0200000	0	0.000000	0.000000	0.000000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 54
    Site Name: PORT ALLEN
    Geographical position: (NAD 1927)

Disposal site is a circle with a diameter of 6000 feet.

Center of Site is:
21E50'00" N 159E35'00" W
Depth(ft): Low Depth- 5244 High Depth- 6000
Nearest Distance from shore (nm): 3.0

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material.
Active Site

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
    No disposal management was performed
    Site Monitoring was performed
    Bathymetry Monitoring was performed
    Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
    Crassostrea gigas
    Menidia beryllina
    Mysidopsis bahia

16. Bioassay Solid Phase Information (Organisms Tested):
    Grandideriella japonica
    Neanthes arenaceodentata

17. Bioassay Bioaccumulation Information (Organisms Tested):
    Macoma nasuta
    Nereis virens

18. General Comments

    Reference Site: Lanikai Beach, Oahu, Hawaii

    For observations <DL, we used 50% of MDL for calculating mean values.

19. Point of Contact: PATRICK TOM 808-438-8874

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: POH [DS= 2490]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. OAHU, HAWAII
      HONOLULU HARBOR (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 116,600

7. Expected frequency of dumping (for reporting period):
   a. 9 YEARS
   b. Actual start: 02/16/99
   c. Actual completion: 03/13/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Not Known if data calculated on a Wet or Dry Basis)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	5	0.1000000	5	10.800000	17.700000	13.220000
MERCURY	5	0.0200000	5	0.210000	0.650000	0.440000
CADMIUM	5	0.1000000	5	0.019000	0.440000	0.310000
LEAD	5	0.1000000	5	49.900000	142.000000	92.440000
CHROMIUM	5	0.1000000	5	36.800000	129.000000	79.320000
COPPER	5	0.1000000	5	31.200000	189.000000	87.040000
NICKEL	5	0.1000000	5	39.100000	137.000000	72.200000
ZINC	5	0.1000000	5	68.000000	362.000000	172.200000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	5	0.0200000	0	0.000000	0.000000	0.000000
CHLORDANE	5	0.0300000	1	0.000000	0.143000	0.038000
DIELDRIN	5	0.0200000	0	0.000000	0.000000	0.000000
ENDOSULFAN	5	0.0200000	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	5	0.0200000	0	0.000000	0.000000	0.000000
DDD	5	0.0200000	1	0.000000	0.035000	0.015000
DDE	5	0.0200000	0	0.000000	0.000000	0.000000
DDT	5	0.0200000	0	0.000000	0.000000	0.000000
ENDRIN	5	0.0200000	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	5	0.0200000	0	0.000000	0.000000	0.000000
HEPTACHLOR	5	0.0200000	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	5	0.0200000	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	5	0.0200000	0	0.000000	0.000000	0.000000
BETA-LINDANE	5	0.0200000	0	0.000000	0.000000	0.000000
DELTA-LINDANE	5	0.0200000	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	5	0.0200000	0	0.000000	0.000000	0.000000
TOXAPHENE	5	0.0200000	4	0.045000	0.130000	0.912500

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AROCHLOR 1016	5	0.0200000	2	0.020000	0.025000	0.015000
AROCHLOR 1221	5	0.0200000	1	0.000000	0.015000	0.011000
AROCHLOR 1232	5	0.0200000	4	0.025000	0.070000	0.035000
AROCHLOR 1242	5	0.0200000	2	0.020000	0.035000	0.017000
AROCHLOR 1254	5	0.0000000	4	0.012000	0.238000	0.080800
AROCHLOR 1260	5	0.0200000	3	0.013000	0.076000	0.040600

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
NAPHTHALENE	5	0.0200000	2	0.008000	0.130000	0.041200
BENZO(A)ANTHRACENE	5	0.0200000	5	0.067000	4.100000	1.898000
BENZO(B)FLUORANTHENE	5	0.0200000	5	0.160000	11.000000	3.072000
ACENAPHTHYLENE	5	0.0200000	4	0.012000	0.380000	0.103200
CHRYSENE	5	0.0200000	5	0.080000	5.100000	1.358000
BENZO(K)FLUORANTHENE	5	0.0200000	5	0.050000	4.100000	1.114000
ACENAPHTHENE	5	0.0200000	3	0.011000	0.091000	0.061300
FLUORANTHENE	5	0.0200000	5	0.170000	8.200000	2.182000
BENZO(GHI)PERYLENE	5	0.0200000	5	0.077000	11.000000	2.873400
FLUORENE	5	0.0200000	2	0.024000	0.064000	0.023600
PYRENE	5	0.0200000	5	0.190000	22.000000	5.276000
ANTHRACENE	5	0.0200000	4	0.016000	0.270000	0.080600
BENZO(A)PYRENE	5	0.0200000	5	0.120000	13.000000	3.482000
PHENANTHRENE	5	0.0200000	5	0.045000	1.100000	0.338200

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% MOISTURE	5	0.0000000	0	29.500000	50.100000	37.220000
TOTAL ORGANIC CARBON	5	0.0000000	0	0.700000	4.000000	2.900000
% SAND	5	0.0000000	0	30.900000	54.010000	38.920000
% SILT	5	0.0000000	0	21.900000	37.300000	30.400000
% CLAY	5	0.0000000	0	18.200000	26.200000	23.200000

ACID VOLATILES

2-CHLOROPHENOL	5	0.0200000	0	0.000000	0.000000	0.000000
2,4-DICHLOROPHENOL	5	0.0200000	0	0.000000	0.000000	0.000000
2,4-DIMETHYLPHENOL	5	0.0200000	0	0.000000	0.000000	0.000000
2,4-DINITROPHENOL	5	0.0200000	0	0.000000	0.000000	0.000000
2-NITROPHENOL	5	0.0200000	0	0.000000	0.000000	0.000000
4-NITROPHENOL	5	0.0200000	0	0.000000	0.000000	0.000000
PENTACHLOROPHENOL	5	0.0200000	0	0.000000	0.000000	0.000000
2,4,6-TRICHLOROPHENOL	5	0.0200000	0	0.000000	0.000000	0.000000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 53
    Site Name: SOUTH OAHU SITE
    Geographical position: (NAD 1927)

    Center of Site is:
    21E15'58. " 'N .0157E57'58. " 'W .021E15'24. " N 157E55'58. " W
    21E14'58. " N 157E57'48. " W 21E14'24. " N 157E56'22. " W
    0EE'.'" . " N 0E0E0.'" . " W
    Depth(ft): Low Depth- 1310 High Depth- 1558
    Nearest Distance from shore (nm): 3.0

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material.
Active Site
data updated by Pat Tom 2/2000
Non cicle center coordinates: 21 15' 10", 157 56' 20"

Reference Site Location:
Site No: 121
Site Name: REFERENCE SITE NOT REPORTED

14. Disposal Site Management:
    No disposal management was performed
    No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
    Crassostrea gigas
    Menidia beryllina
    Mysidopsis bahia

16. Bioassay Solid Phase Information (Organisms Tested):
    Grandideriella japonica
    Neanthes arenaceodentata

17. Bioassay Bioaccumulation Information (Organisms Tested):
    Nereis virens
    Nacoma nasuta

18. General Comments

    For observation <DL, we used 50% of MDL for calculations of the mean values.

19. Point of Contact: PATRICK TOM 808-438-8874

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NAN [DS= 2453]

2. Permit start date/expire date: (Permitted Project)
   Location: PASSENGER SHIP TERMINAL (NYC-EDC)
   Date issued: 03/12/98 Expire Date: 03/12/01

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. HUDSON RIVER

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 270,800

7. Expected frequency of dumping (for reporting period):
   a. 2 / DAY
   b. Actual start: 03/23/99
   c. Actual completion: 05/02/99

8. Composition of the dredged material.

   Data for this project was also reported in 1998

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.204
    Site Name: HISTORIC AREA REMEDIATION SITE (HARS)
    Geographical position: (NAD 1983)

    40E25'39. " N 073E53'55. " W 40E25'39. " N 073E48'58. " W
    40E21'19. " N 073E48'57. " W 40E21'19. " N 073E52'30. " W
    40E21'52. " N 073E53'55. " W
    Depth(ft): Low Depth- 39 High Depth- 160
    Nearest Distance from shore (nm): 3.5

General Comments About The Disposal Site

This is a complex site with multiple corners. Only the 5 approximate outside corners are listed above.

Complete corner coordinates of the Buffer Zone are:

A - 40 25'39" N, 73 53'55" W	L - 40 25'22", 73 50'44"
B - 40 25'23", 73 53'34"	M - 40 25'39", 73 48'58"
C - 40 25'39", 73 51'48"	N - 40 25'22", 73 49'19"
D - 40 25'22", 73 52'08"	O - 40 21'35", 73 49'19"
E - 40 23'48", 73 51'48"	P - 40 21'19", 73 48'57"
F - 40 23'13", 73 52'09"	Q - 40 21'36", 73 52'08"
G - 40 23'13", 73 51'28"	R - 40 21'19", 73 52'30"
H - 40 22'41", 73 51'28"	S - 40 21'52", 73 53'55"
I - 40 22'41", 73 50'43"	T - 40 22'08", 73 52'08"
J - 40 23'48", 73 51'06"	U - 40 22'08", 73 53'34"
K - 40 25'39", 73 51'06"	V - 40 21'52", 73 52'30"

Reference Site Location:

Site No: 128

Site Name: MUD DUMP REFERENCE SITE

Geographical position (NAD 1927)

40E23'13. " N 073E52'11. " W 40E20'21. "N 073E52'19. " W

Depth (ft): Low Depth- 21 High Depth- 0

Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:

Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed
Biological Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):

Menidia berylina
Mysidopsis mytilus
Mytilus edilus

16. Bioassay Solid Phase Information (Organisms Tested):

Ampelisca abdita
Mysidopsis bahia

17. Bioassay Bioaccumulation Information (Organisms Tested):

Nereis virens
Macoma nasuta

18. General Comments

Chemistry data does exist for this project. It was collected in 1997 and can be seen in the 1998 report.

19. Point of Contact: THOMAS WYCHE 212-264-1851

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NAN [DS= 2454]

2. Permit start date/expire date: (Permitted Project)
   Location: REFINED SUGAR, INC. - (REACHES A AND B)
   Date issued: 10/14/99 Expire Date: 10/22/99

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. HUDSON RIVER

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 44,000

7. Expected frequency of dumping (for reporting period):
   a. 2 / DAY
   b. Actual start: 10/14/99
   c. Actual completion: 10/22/99

8. Composition of the dredged material.

   Data for this project was also reported in 1998

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.204
    Site Name: HISTORIC AREA REMEDIATION SITE (HARS)
    Geographical position: (NAD 1983)

    40E25'39. " N 073E53'55. " W 40E25'39. " N 073E48'58. " W
    40E21'19. " N 073E48'57. " W 40E21'19. " N 073E52'30. " W
    40E21'52. " N 073E53'55. " W
    Depth(ft): Low Depth- 39 High Depth- 160
    Nearest Distance from shore (nm): 3.5

General Comments About The Disposal Site

This is a complex site with multiple corners. Only the 5 approximate outside corners are listed above.

Complete corner coordinates of the Buffer Zone are:

A - 40 25'39" N, 73 53'55" W	L - 40 25'22", 73 50'44"
B - 40 25'23", 73 53'34"	M - 40 25'39", 73 48'58"
C - 40 25'39", 73 51'48"	N - 40 25'22", 73 49'19"
D - 40 25'22", 73 52'08"	O - 40 21'35", 73 49'19"
E - 40 23'48", 73 51'48"	P - 40 21'19", 73 48'57"
F - 40 23'13", 73 52'09"	Q - 40 21'36", 73 52'08"
G - 40 23'13", 73 51'28"	R - 40 21'19", 73 52'30"
H - 40 22'41", 73 51'28"	S - 40 21'52", 73 53'55"
I - 40 22'41", 73 50'43"	T - 40 22'08", 73 52'08"
J - 40 23'48", 73 51'06"	U - 40 22'08", 73 53'34"
K - 40 25'39", 73 51'06"	V - 40 21'52", 73 52'30"

Reference Site Location:

Site No: 128

Site Name: MUD DUMP REFERENCE SITE

Geographical position (NAD 1927)

40E23'13. " N 073E52'11. " W 40E20'21. "N 073E52'19. " W

Depth (ft): Low Depth- 21 High Depth- 0

Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:

Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed
Biological Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):

Menidia berylina
Mysidopsis bahia
Mytilus edilus

16. Bioassay Solid Phase Information (Organisms Tested):

Ampelisca abdita
Mysidopsis bahia

17. Bioassay Bioaccumulation Information (Organisms Tested):

Nereis virens
Macoma nasuta

18. General Comments

19. Point of Contact: THOMAS WYCHE 212-246-1851

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NAN [DS= 2455]

2. Permit start date/expire date: (Permitted Project)
   Location: BROOKLYN MARINE TERMINAL (REACHES 1 & 2)
   Date issued: 11/29/99 Expire Date: 11/29/02

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. EAST RIVER

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 98,800

7. Expected frequency of dumping (for reporting period):
   a. 2 / DAY
   b. Actual start: 11/29/99
   c. Actual completion: 12/14/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Not Known if data calculated on a Wet or Dry Basis)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
CADMIUM	1	0.0000000	0	0.000000	0.000000	6.960000
LEAD	1	0.0000000	0	0.000000	0.000000	173.000000
CHROMIUM	1	0.0000000	0	0.000000	0.000000	138.000000
COPPER	1	0.0000000	0	0.000000	0.000000	184.000000
NICKEL	1	0.0000000	0	0.000000	0.000000	38.400000
ZINC	1	0.0000000	0	0.000000	0.000000	274.000000
SILVER	1	0.0000000	0	0.000000	0.000000	10.100000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% MOISTURE	20	0.0000000	0	0.000000	0.000000	60.700000
% SAND	20	0.0000000	0	0.000000	0.000000	0.000000
% SILT	20	0.0000000	0	0.000000	0.000000	61.400000
% CLAY	20	0.0000000	0	0.000000	0.000000	38.600000

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

Elutriate Test Chemical Data

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
MERCURY	1	0.0000000	0	0.000000	0.000000	0.017800
CADMIUM	1	0.0000000	0	0.000000	0.000000	0.001000
LEAD	1	0.0000000	0	0.000000	0.000000	0.001000
COPPER	1	0.0000000	0	0.000000	0.000000	0.004000
NICKEL	1	0.0000000	0	0.000000	0.000000	0.004000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.204
    Site Name: HISTORIC AREA REMEDIATION SITE (HARS)
    Geographical position: (NAD 1983)

    40E25'39. " N 073E53'55. " W 40E25'39. " N 073E48'58. " W
    40E21'19. " N 073E48'57. " W 40E21'19. " N 073E52'30. " W
    40E21'52. " N 073E53'55. " W
    Depth(ft): Low Depth- 39 High Depth- 160
    Nearest Distance from shore (nm): 3.5

General Comments About The Disposal Site

This is a complex site with multiple corners. Only the 5 approximate outside corners are listed above.

Complete corner coordinates of the Buffer Zone are:

A - 40 25'39" N, 73 53'55" W	L - 40 25'22", 73 50'44"
B - 40 25'23", 73 53'34"	M - 40 25'39", 73 48'58"
C - 40 25'39", 73 51'48"	N - 40 25'22", 73 49'19"
D - 40 25'22", 73 52'08"	O - 40 21'35", 73 49'19"
E - 40 23'48", 73 51'48"	P - 40 21'19", 73 48'57"
F - 40 23'13", 73 52'09"	Q - 40 21'36", 73 52'08"
G - 40 23'13", 73 51'28"	R - 40 21'19", 73 52'30"
H - 40 22'41", 73 51'28"	S - 40 21'52", 73 53'55"
I - 40 22'41", 73 50'43"	T - 40 22'08", 73 52'08"
J - 40 23'48", 73 51'06"	U - 40 22'08", 73 53'34"
K - 40 25'39", 73 51'06"	V - 40 21'52", 73 52'30"

Reference Site Location:

Site No: 128

Site Name: MUD DUMP REFERENCE SITE

Geographical position (NAD 1927)

40E23'13. " N 073E52'11. " W 40E20'21. "N 073E52'19. " W

Depth (ft): Low Depth- 21 High Depth- 0

Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:

Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed
Biological Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):

Menidia berylina
Mysidopsis bahia
Mytilus edilus

16. Bioassay Solid Phase Information (Organisms Tested):

Ampelisca abdita
Mysidopsis bahia

17. Bioassay Bioaccumulation Information (Organisms Tested):

Nereis virens
Macoma nasuta

18. General Comments

This project is divided into two reaches, 1 and 2. Most of the total volume of 129,200 Cu. Yards was dredged from reach 2. About 9,200 Cu. Yards was dredged from reach 1.

19. Point of Contact: THOMAS WYCHE 212-264-1851

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NAE [DS= 2461]

2. Permit start date/expire date: (Permitted Project)
   Location: MA HIGHWAY DEPARTMENT
   Date issued: 05/29/97 Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. FORT POINT CHANNEL, BOSTON, MA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   CLUMPED or COHESIVE

6. Total quantity (cubic meters): 227,700

7. Expected frequency of dumping (for reporting period):
   a. 6 PER WEEK
   b. Actual start: 01/21/99
   c. Actual completion: 12/23/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	3	0.0000000	2	6.400000	7.600000	5.500000
ANTIMONY	3	5.0000000	0	0.000000	0.000000	0.000000
BERYLLIUM	3	0.0000000	3	0.600000	0.000000	0.453330
MERCURY	3	0.3000000	0	0.000000	0.000000	0.000000
CADMIUM	3	1.0000000	1	1.300000	1.300000	0.767000
LEAD	3	5.0000000	2	10.000000	37.000000	16.500000
CHROMIUM	3	0.0000000	3	19.000000	27.000000	22.333000
COPPER	3	0.0000000	3	7.700000	28.000000	16.900000
NICKEL	3	0.0000000	3	12.000000	26.000000	18.333300
ZINC	3	0.0000000	3	43.000000	69.000000	54.666700
SELENIUM	3	10.0000000	0	0.000000	0.000000	0.000000
SILVER	3	5.0000000	0	0.000000	0.000000	0.000000
THALLIUM	3	8.0000000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
NAPHTHALENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(B)FLUORANTHENE	3	0.0200000	0	0.000000	0.000000	0.000000
ACENAPHTHYLENE	3	0.0200000	0	0.000000	0.000000	0.000000
CHRYSENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(K)FLUORANTHENE	3	0.0200000	0	0.000000	0.000000	0.000000
ACENAPHTHENE	3	0.0200000	0	0.000000	0.000000	0.000000
FLUORANTHENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(GHI)PERYLENE	3	0.0200000	0	0.000000	0.000000	0.000000
FLUORENE	3	0.0200000	0	0.000000	0.000000	0.000000
PYRENE	3	0.0200000	0	0.000000	0.000000	0.000000
ANTHRACENE	3	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	3	0.0000000	0	0.000000	0.000000	0.000000
INDENO(1,2,3-CD)PYRENE	3	0.0200000	0	0.000000	0.000000	0.000000
PHENANTHRENE	3	0.0200000	0	0.000000	0.000000	0.000000
DIBENZE(A,H)ANTHRACENE	3	0.0200000	0	0.000000	0.000000	0.000000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 2
    Site Name: MASSACHUSETTS BAY DISPOSAL SITE
    Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 12161 feet.

Center of Site is:
42E25'06" N 070E35'00" W
Depth(ft): Low Depth- 272 High Depth- 302
Nearest Distance from shore (nm): 11.5

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material which meets the requirements of the MPRSA and its accompanying regulations. Disposal-and-capping is prohibited at the MBDS until its efficacy can be effectively demonstrated.
updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 167
Site Name: MASS BAY REFERENCE (1992 AND LATER)

Geographical position (NAD 1927)

42E22'42.0" N 070E30'18.0" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

#199101378, Mod 33 & Mod 34.
Surficial material was not tested and will be disposed of upland at Spectacle Island. Underlying, parental material was analyzed for some potential contaminants and was disposed of at MBDS. It was not analysed for grain size or TOC.

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NAE [DS= 2462]

2. Permit start date/expire date: (Permitted Project)
   Location: MOBIL OIL
   Date issued: 06/20/99 Expire Date: 06/20/02

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. CHELSEA RIVER, EAST BOSTON, MA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   CLUMPED or COHESIVE

6. Total quantity (cubic meters): 5,000

7. Expected frequency of dumping (for reporting period):
   a. 1.5 / WEEK
   b. Actual start: 02/11/99
   c. Actual completion: 03/05/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	4	0.5000000	2	2.180000	5.020000	1.930000
MERCURY	4	0.0060000	3	0.045000	0.121000	0.050000
CADMIUM	4	0.1000000	0	0.000000	0.000000	0.000000
LEAD	4	1.0000000	3	3.990000	15.700000	6.930000
CHROMIUM	4	0.0000000	4	8.700000	104.000000	41.900000
COPPER	4	0.2000000	3	2.640000	18.800000	8.010000
NICKEL	4	0.0000000	4	2.720000	13.500000	8.940000
ZINC	4	0.0000000	4	36.100000	63.500000	51.380000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	4	0.0100000	0	0.000000	0.000000	0.000000
CHLORDANE	4	0.0100000	0	0.000000	0.000000	0.000000
DIELDRIN	4	0.0100000	0	0.000000	0.000000	0.000000
ENDOSULFAN	4	0.0100000	0	0.000000	0.000000	0.000000
ALPHA-ENDOSULFAN	4	0.0100000	0	0.000000	0.000000	0.000000
BETA-ENDOSULFAN	4	0.0100000	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	4	0.0100000	0	0.000000	0.000000	0.000000
DDD	4	0.0100000	0	0.000000	0.000000	0.000000
DDE	4	0.0100000	0	0.000000	0.000000	0.000000
DDT	4	0.0100000	0	0.000000	0.000000	0.000000
ENDRIN	4	0.0100000	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	4	0.0100000	0	0.000000	0.000000	0.000000
HEPTACHLOR	4	0.0100000	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	4	0.0100000	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	4	0.0100000	0	0.000000	0.000000	0.000000
BETA-LINDANE	4	0.0100000	0	0.000000	0.000000	0.000000
DELTA-LINDANE	4	0.0100000	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	4	0.0100000	0	0.000000	0.000000	0.000000
METHOXYCHLOR	4	0.0100000	0	0.000000	0.000000	0.000000
TOXAPHENE	4	0.0100000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AROCHLOR 1016	4	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1221	4	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1232	4	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1242	4	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1254	4	0.0000000	0	0.000000	0.000000	0.000000
AROCHLOR 1260	4	0.0100000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
NAPHTHALENE	4	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	4	0.0200000	0	0.000000	0.000000	0.000000
BENZO(B)FLUORANTHENE	4	0.0200000	0	0.000000	0.000000	0.000000
ACENAPHTHYLENE	4	0.0200000	0	0.000000	0.000000	0.000000
CHRYSENE	4	0.0200000	0	0.000000	0.000000	0.000000
BENZO(K)FLUORANTHENE	4	0.0200000	0	0.000000	0.000000	0.000000
ACENAPHTHENE	4	0.0200000	0	0.000000	0.000000	0.000000
FLUORANTHENE	4	0.0200000	0	0.000000	0.000000	0.000000
BENZO(GHI)PERYLENE	4	0.0200000	0	0.000000	0.000000	0.000000
FLUORENE	4	0.0200000	0	0.000000	0.000000	0.000000
PYRENE	4	0.0200000	0	0.000000	0.000000	0.000000
ANTHRACENE	4	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	4	0.0200000	0	0.000000	0.000000	0.000000
INDENO(1,2,3-CD)PYRENE	4	0.0200000	0	0.000000	0.000000	0.000000
PHENANTHRENE	4	0.0200000	0	0.000000	0.000000	0.000000
DIBENZE(A,H)ANTHRACENE	4	0.0200000	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% MOISTURE	4	0.0000000	4	9.410000	21.600000	16.100000
TOTAL ORGANIC CARBON	4	0.0000000	4	0.110000	0.130000	0.118000
% SAND	6	0.0000000	6	37.300000	80.100000	58.200000
% SILT	6	0.0000000	6	0.700000	37.300000	10.400000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 2
    Site Name: MASSACHUSETTS BAY DISPOSAL SITE
    Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 12161 feet.

Center of Site is:
42E25'06" N 070E35'00" W
Depth(ft): Low Depth- 272 High Depth- 302
Nearest Distance from shore (nm): 11.5

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material which meets the requirements of the MPRSA and its accompanying regulations. Disposal-and-capping is prohibited at the MBDS until its efficacy can be effectively demonstrated.
updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
    Seasonal restrictions were enforced
    Selective Disposal was used
    Site Monitoring was performed
    Bathymetry Monitoring was performed
    Chemical Monitoring was performed
    Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
    No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

199602272
This project has new and maintence dredging.
% fines were reported as "%silt"

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NAE [DS= 2463]

2. Permit start date/expire date: (Permitted Project)
   Location: STEVEN DIMILLO
   Date issued: 06/26/98 Expire Date: 09/27/00

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. FORE RIVER, PORTLAND, MAINE

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   CLUMPED or COHESIVE

6. Total quantity (cubic meters): 1,900

7. Expected frequency of dumping (for reporting period):
   a. 4 / MONTH
   b. Actual start: 01/20/99
   c. Actual completion: 02/19/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	1	0.4000000	0	0.000000	0.000000	0.000000
MERCURY	1	0.0000000	1	0.160000	0.160000	0.160000
CADMIUM	1	0.0000000	1	0.530000	0.530000	0.530000
LEAD	1	0.0000000	1	1.400000	1.400000	1.400000
CHROMIUM	1	0.0000000	1	33.000000	33.000000	33.000000
COPPER	1	0.0000000	1	11.000000	11.000000	11.000000
NICKEL	1	0.0000000	1	20.000000	20.000000	20.000000
ZINC	1	0.0000000	1	61.000000	61.000000	61.000000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	1	0.0050000	0	0.000000	0.000000	0.000000
CHLORDANE	1	0.0050000	0	0.000000	0.000000	0.000000
ALPHA-CHLORDANE	1	0.0050000	0	0.000000	0.000000	0.000000
BETA-CHLORDANE	1	0.0050000	0	0.000000	0.000000	0.000000
DIELDRIN	1	0.0100000	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	1	0.0100000	0	0.000000	0.000000	0.000000
DDD	1	0.0100000	0	0.000000	0.000000	0.000000
DDE	1	0.0100000	0	0.000000	0.000000	0.000000
DDT	1	0.0100000	0	0.000000	0.000000	0.000000
ENDRIN	1	0.0100000	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	1	0.0100000	0	0.000000	0.000000	0.000000
HEPTACHLOR	1	0.0050000	0	0.000000	0.000000	0.000000
METHOXYCHLOR	1	0.0100000	0	0.000000	0.000000	0.000000
TOXAPHENE	1	0.0200000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AROCHLOR 1016	1	0.0200000	0	0.000000	0.000000	0.000000
AROCHLOR 1221	1	0.0200000	0	0.000000	0.000000	0.000000
AROCHLOR 1232	1	0.0200000	0	0.000000	0.000000	0.000000
AROCHLOR 1242	1	0.0200000	0	0.000000	0.000000	0.000000
AROCHLOR 1254	1	0.0000000	0	0.000000	0.000000	0.000000
AROCHLOR 1260	1	0.0200000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
NAPHTHALENE	1	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	1	0.0000000	1	0.050000	0.050000	0.050000
BENZO(B)FLUORANTHENE	1	0.0000000	1	0.030000	0.030000	0.030000
ACENAPHTHYLENE	1	0.0200000	0	0.000000	0.000000	0.000000
CHRYSENE	1	0.0000000	1	0.040000	0.040000	0.040000
BENZO(K)FLUORANTHENE	1	0.0000000	1	0.040000	0.040000	0.040000
ACENAPHTHENE	1	0.0200000	0	0.000000	0.000000	0.000000
FLUORANTHENE	1	0.0000000	1	0.100000	0.100000	0.100000
BENZO(GHI)PERYLENE	1	0.0000000	1	0.030000	0.030000	0.030000
FLUORENE	1	0.0200000	0	0.000000	0.000000	0.000000
PYRENE	1	0.0000000	1	0.090000	0.090000	0.090000
ANTHRACENE	1	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	1	0.0000000	1	0.040000	0.040000	0.040000
INDENO(1,2,3-CD)PYRENE	1	0.0000000	1	0.020000	0.020000	0.020000
PHENANTHRENE	1	0.0000000	1	0.060000	0.060000	0.060000
DIBENZE(A,H)ANTHRACENE	1	0.0200000	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL ORGANIC CARBON	1	0.0000000	1	0.610000	0.610000	0.610000
% SAND	1	0.0000000	1	27.300000	27.300000	27.300000
% SILT	1	0.0000000	1	71.300000	71.300000	71.300000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 76
Site Name: PORTLAND
Geographical position: (NAD 1927)

Center of Site is:
43E43'36.4" N 70E02'39.5" .W 43E33'36.3" N 70E02'39.5" W
43E33'36.2" N 70E01'16.9" W 43E43'36.4" N 70E02'39.5" W
0EEE'" .." N 0E0E0'" . " W
Depth(ft): Low Depth- 136 High Depth- 226
Nearest Distance from shore (nm): 7.1

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material.
latitude/longitude updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 169
Site Name: PORTLAND REFERENCE

Geographical position:
43E38'36.0" N 069E59'00.6" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

#199702334.
% fines were entered into % Silt slot.

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NAE [DS= 2464]

2. Permit start date/expire date: (Permitted Project)
   Location: COHASSET HARBOR MARINA
   Date issued: 12/01/98 Expire Date: 12/01/03

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. COHASSET, MASSACHUSETTS

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   CLUMPED or COHESIVE

6. Total quantity (cubic meters): 2,400

7. Expected frequency of dumping (for reporting period):
   a. 3 PER WEEK
   b. Actual start: 02/02/99
   c. Actual completion: 02/16/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 2
    Site Name: MASSACHUSETTS BAY DISPOSAL SITE
    Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 12161 feet.

Center of Site is:
42E25'06" N 070E35'00" W
Depth(ft): Low Depth- 272 High Depth- 302
Nearest Distance from shore (nm): 11.5

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material which meets the requirements of the MPRSA and its accompanying regulations. Disposal-and-capping is prohibited at the MBDS until its efficacy can be effectively demonstrated.
updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 167
Site Name: MASS BAY REFERENCE (1992 AND LATER)

Geographical position (NAD 1927)

42E22'42.0" N 070E30'18.0" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

#199700427.
No chemistry analysis was done on material from this project. This material was adjacent to sample sites in the COE Cohasset FNP and the Town of Cohasset project (199501112).

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NAE [DS= 2465]

2. Permit start date/expire date: (Permitted Project)
   Location: CITY OF QUINCY, SQUANTUM & WOLLASTON YACHT CLUBS
   Date issued: 06/02/98 Expire Date: 06/02/03

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. QUINCY BAY, QUINCY, MA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   CLUMPED or COHESIVE

6. Total quantity (cubic meters): 20,300

7. Expected frequency of dumping (for reporting period):
   a. 3 PER WEEK
   b. Actual start: 01/01/99
   c. Actual completion: 01/31/99

8. Composition of the dredged material.

CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 1998

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 2
    Site Name: MASSACHUSETTS BAY DISPOSAL SITE
    Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 12161 feet.

Center of Site is:
42E25'06" N 070E35'00" W
Depth(ft): Low Depth- 272 High Depth- 302
Nearest Distance from shore (nm): 11.5

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material which meets the requirements of the MPRSA and its accompanying regulations. Disposal-and-capping is prohibited at the MBDS until its efficacy can be effectively demonstrated.
updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 167
Site Name: MASS BAY REFERENCE (1992 AND LATER)

Geographical position (NAD 1927)

42E22'42.0" N 070E30'18.0" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

#199701243

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NAE [DS= 2466]

2. Permit start date/expire date: (Permitted Project)
   Location: SOUTHPORT MARINE
   Date issued: 06/02/97 Expire Date: 07/29/00

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. FORE RIVER, SOUTH PORTLAND, ME

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   CLUMPED or COHESIVE

6. Total quantity (cubic meters): 100

7. Expected frequency of dumping (for reporting period):
   a. 1 PER WEEK
   b. Actual start: 03/04/98
   c. Actual completion: 02/19/99

8. Composition of the dredged material.

CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 1998

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 76
    Site Name: PORTLAND
    Geographical position: (NAD 1927)

43E43'36.4" N 70E02'39.5" .W 43E33'36.3" N 70E02'39.5" W
43E33'36.2" N 70E01'16.9" W 43E43'36.4" N 70E02'39.5" W

Depth(ft): Low Depth- 136 High Depth- 226
Nearest Distance from shore (nm): 7.1

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material.
latitude/longitude updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 169
Site Name: PORTLAND REFERENCE

Geographical position:
43E38'36.0" N 069E59'00.6" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

#199402879

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NAE [DS= 2467]

2. Permit start date/expire date: (Permitted Project)
   Location: SPRAGUE ENERGY
   Date issued: 12/08/98 Expire Date: 09/29/00

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. FORE RIVER, SOUTH PORTLAND, ME

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   CLUMPED or COHESIVE

6. Total quantity (cubic meters): 8,200

7. Expected frequency of dumping (for reporting period):
   a. 2 PER WEEK
   b. Actual start: 03/02/99
   c. Actual completion: 04/13/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
MERCURY	6	0.0000000	6	0.140000	0.700000	0.440000
CADMIUM	6	0.0000000	6	0.290000	1.200000	0.760000
LEAD	6	0.0000000	6	28.000000	83.000000	64.670000
CHROMIUM	6	0.0000000	6	36.000000	51.000000	42.330000
COPPER	6	0.0000000	6	19.000000	42.000000	35.500000
NICKEL	6	0.0000000	6	23.000000	34.000000	26.500000
ZINC	6	0.0000000	6	84.000000	150.000000	129.000000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	6	0.0200000	0	0.000000	0.000000	0.000000
ALPHA-CHLORDANE	6	0.0200000	0	0.000000	0.000000	0.000000
BETA-CHLORDANE	6	0.0200000	0	0.000000	0.000000	0.000000
DIELDRIN	6	0.0200000	0	0.000000	0.000000	0.000000
ALPHA-ENDOSULFAN	6	0.0200000	0	0.000000	0.000000	0.000000
BETA-ENDOSULFAN	6	0.0200000	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	6	0.0200000	0	0.000000	0.000000	0.000000
DDD	6	0.0200000	1	0.180000	0.180000	0.038700
DDE	6	0.0200000	0	0.000000	0.000000	0.000000
DDT	6	0.0200000	0	0.000000	0.000000	0.000000
ENDRIN	6	0.0200000	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	6	0.0200000	0	0.000000	0.000000	0.000000
HEPTACHLOR	6	0.0200000	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	6	0.0200000	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	6	0.0200000	0	0.000000	0.000000	0.000000
BETA-LINDANE	6	0.0200000	0	0.000000	0.000000	0.000000
DELTA-LINDANE	6	0.0200000	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	6	0.0200000	0	0.000000	0.000000	0.000000
METHOXYCHLOR	6	0.0200000	0	0.000000	0.000000	0.000000
TOXAPHENE	6	0.0210000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AROCHLOR 1016	6	0.0210000	0	0.000000	0.000000	0.000000
AROCHLOR 1221	6	0.0210000	0	0.000000	0.000000	0.000000
AROCHLOR 1232	6	0.0210000	0	0.000000	0.000000	0.000000
AROCHLOR 1242	6	0.0210000	0	0.000000	0.000000	0.000000
AROCHLOR 1248	6	0.0000000	0	0.000000	0.000000	0.000000
AROCHLOR 1254	6	0.0000000	0	0.000000	0.000000	0.000000
AROCHLOR 1260	6	0.0210000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
NAPHTHALENE	6	0.0000000	6	0.022000	0.170000	0.071000
BENZO(A)ANTHRACENE	6	0.0000000	6	0.160000	1.400000	0.810000
BENZO(B)FLUORANTHENE	6	0.0000000	6	0.016000	2.300000	0.980000
ACENAPHTHYLENE	6	0.0000000	6	0.029000	0.160000	0.127170
CHRYSENE	6	0.0000000	6	0.190000	2.400000	1.060000
BENZO(K)FLUORANTHENE	6	0.0000000	6	0.140000	1.400000	0.687000
ACENAPHTHENE	6	0.0000000	6	0.002200	0.160000	0.090500
FLUORANTHENE	6	0.0000000	6	0.300000	2.500000	1.700000
BENZO(GHI)PERYLENE	6	0.0000000	6	0.100000	0.980000	0.523000
FLUORENE	6	0.0000000	6	0.022000	0.180000	0.118000
PYRENE	6	0.0000000	6	0.430000	2.300000	1.720000
ANTHRACENE	6	0.0000000	6	0.780000	0.630000	0.383000
BENZO(A)PYRENE	6	0.0000000	6	0.140000	2.000000	0.860000
INDENO(1,2,3-CD)PYRENE	6	0.0000000	6	0.120000	1.300000	0.660000
PHENANTHRENE	6	0.0000000	6	0.110000	0.820000	0.585000
DIBENZE(A,H)ANTHRACENE	6	0.0000000	6	0.028000	0.300000	0.131300

DIOXINS (ng/KG or pptr)

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
2,3,7,8 TCDD	2	0.8000000	0	0.000000	0.000000	0.000000
1,2,3,7,8 PeCDD	2	1.2200000	0	0.000000	0.000000	0.000000
1,2,3,4,7,8 HxCDD	2	0.0000000	2	6.830000	7.160000	7.000000
1,2,3,6,7,8 HxCDD	2	0.0000000	2	2.390000	2.580000	2.480000
1,2,3,7,8,9 HxCDD	2	0.0000000	0	6.820000	7.760000	0.000000
OCDD	2	0.0000000	2	1437.680000	1506.660000	1472.170000

FURANS (ng/KG or pptr)

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
2,3,7,8 TCDF	2	0.8000000	0	0.000000	0.000000	0.000000
1,2,3,7,8 PeCDF	2	0.0000000	2	2.270000	2.750000	2.475000
2,3,4,7,8 PeCDF	2	5.8400000	0	0.000000	0.000000	0.000000
1,2,3,4,7,8 HxCDF	2	0.0000000	2	4.870000	4.880000	4.875000
1,2,3,6,7,8 HxCDF	2	0.0000000	2	6.070000	7.430000	6.750000
1,2,3,7,8,9 HxCDF	2	0.7600000	0	0.000000	0.000000	0.000000
2,3,4,6,7,8 HxCDF	2	0.0000000	2	2.850000	3.480000	3.165000
1,2,3,4,6,7,8 HpCDF	2	0.0000000	2	50.220000	53.330000	51.560000
1,2,3,4,7,8,9 HpCDF	2	0.0000000	2	2.150000	2.270000	2.210000
OCDF	2	0.0000000	2	93.360000	104.660000	99.010000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% MOISTURE	6	0.0000000	6	43.300000	54.700000	51.100000
TOTAL ORGANIC CARBON	6	0.0000000	6	2.200000	3.000000	2.580000
% SAND	12	0.0000000	12	31.600000	66.500000	46.800000
% SILT	1	0.0000000	12	30.400000	68.800000	52.530000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 76
    Site Name: PORTLAND
    Geographical position: (NAD 1927)

43E43'36.4" N 70E02'39.5" .W 43E33'36.3" N 70E02'39.5" W
43E33'36.2" N 70E01'16.9" W 43E43'36.4" N 70E02'39.5" W

Depth(ft): Low Depth- 136 High Depth- 226
Nearest Distance from shore (nm): 7.1

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material.
latitude/longitude updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 169
Site Name: PORTLAND REFERENCE

Geographical position:
43E38'36.0" N 069E59'00.6" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

#199800133
This project has both new and maintenance dredging.
% fines has been placed in the "% silt" row.

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NAE [DS= 2468]

2. Permit start date/expire date: (Permitted Project)
   Location: TOWN OF SCITUATE, MA
   Date issued: 09/25/98 Expire Date: 09/25/03

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. SCITUATE HARBOR

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   CLUMPED or COHESIVE

6. Total quantity (cubic meters): 28,100

7. Expected frequency of dumping (for reporting period):
   a. 4 PER WEEK
   b. Actual start: 01/05/99
   c. Actual completion: 12/23/99

8. Composition of the dredged material.

CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 1998

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 2
    Site Name: MASSACHUSETTS BAY DISPOSAL SITE
    Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 12161 feet.

Center of Site is:
42E25'06" N 070E35'00" W
Depth(ft): Low Depth- 272 High Depth- 302
Nearest Distance from shore (nm): 11.5

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material which meets the requirements of the MPRSA and its accompanying regulations. Disposal-and-capping is prohibited at the MBDS until its efficacy can be effectively demonstrated.
updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 167
Site Name: MASS BAY REFERENCE (1992 AND LATER)

Geographical position (NAD 1927)

42E22'42.0" N 070E30'18.0" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

#199600409

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NAE [DS= 2471]

2. Permit start date/expire date: (Permitted Project)
   Location: MADEM & TOWN OF WINTHROP
   Date issued: 07/22/99 Expire Date: 07/22/04

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. WINTHROP HARBOR, WINTHROP, MA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   CLUMPED or COHESIVE

6. Total quantity (cubic meters): 47,700

7. Expected frequency of dumping (for reporting period):
   a. 6 PER WEEK
   b. Actual start: 10/24/99
   c. Actual completion: 12/30/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	13	0.0000000	13	6.000000	17.000000	12.550000
MERCURY	13	0.0000000	13	0.150000	0.870000	0.420000
CADMIUM	13	0.0000000	13	1.000000	3.000000	2.120000
LEAD	13	0.0000000	13	2.500000	78.000000	49.130000
CHROMIUM	13	0.0000000	13	33.000000	106.000000	83.470000
COPPER	13	0.0000000	13	33.000000	148.000000	87.840000
NICKEL	13	0.0000000	13	11.000000	21.000000	17.960000
ZINC	13	0.0000000	13	43.000000	169.000000	119.290000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AROCHLOR 1016	13	0.0012500	0	0.000000	0.000000	0.000000
AROCHLOR 1221	13	0.0012500	0	0.000000	0.000000	0.000000
AROCHLOR 1232	13	0.0012500	0	0.000000	0.000000	0.000000
AROCHLOR 1242	13	0.0012500	0	0.000000	0.000000	0.000000
AROCHLOR 1254	13	0.0000000	0	0.000000	0.000000	0.000000
AROCHLOR 1260	13	0.0012500	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
NAPHTHALENE	13	0.2000000	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	13	0.2000000	0	0.000000	0.000000	0.000000
ACENAPHTHYLENE	13	0.2000000	0	0.000000	0.000000	0.000000
CHRYSENE	13	0.1000000	0	0.000000	0.000000	0.000000
ACENAPHTHENE	13	0.2000000	0	0.000000	0.000000	0.000000
FLUORANTHENE	13	0.1000000	0	0.000000	0.000000	0.000000
BENZO(GHI)PERYLENE	13	0.2000000	0	0.000000	0.000000	0.000000
FLUORENE	13	0.3000000	0	0.000000	0.000000	0.000000
PYRENE	13	0.3000000	0	0.000000	0.000000	0.000000
ANTHRACENE	13	0.2000000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	13	0.2000000	0	0.000000	0.000000	0.000000
INDENO(1,2,3-CD)PYRENE	13	0.1000000	0	0.000000	0.000000	0.000000
PHENANTHRENE	13	0.1000000	0	0.000000	0.000000	0.000000
DIBENZE(A,H)ANTHRACENE	13	0.1000000	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
OIL + GREASE	13	1.0000000	0	0.000000	0.000000	0.000000
% SAND	13	0.0000000	13	2.000000	27.000000	12.850000
% SILT	13	0.0000000	13	73.000000	98.000000	87.150000

VOLATILES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ACROLEIN	13	0.1250000	0	0.000000	0.000000	0.000000
ACRYLONITRILE	13	0.1250000	0	0.000000	0.000000	0.000000
BENZENE	13	0.0010000	0	0.000000	0.000000	0.000000
CARBON TETRACHLORIDE	13	0.0020000	0	0.000000	0.000000	0.000000
CHLOROBENZENE	13	0.0010000	0	0.000000	0.000000	0.000000
BROMODICHLOROMETHANE	13	0.0010000	0	0.000000	0.000000	0.000000
CHLOROETHANE	13	0.0010000	0	0.000000	0.000000	0.000000
2-CHLOROETHYL VINYL ETH	13	0.0060000	0	0.000000	0.000000	0.000000
CHLOROFORM	13	0.0010000	0	0.000000	0.000000	0.000000
1,1-DICHLOROETHANE	13	0.0010000	0	0.000000	0.000000	0.000000
1,2-DICHLOROETHANE	13	0.0010000	0	0.000000	0.000000	0.000000
1,1-DICHLOROETHYLENE	13	0.0010000	0	0.000000	0.000000	0.000000
1,2-DICHLOROETHYLENE	13	0.0010000	0	0.000000	0.000000	0.000000
ETHYL BENZENE	13	0.0020000	0	0.000000	0.000000	0.000000
1,1,2,2-TETRACHLOROETHA	13	0.0020000	0	0.000000	0.000000	0.000000
TOLUENE	13	0.0020000	0	0.000000	0.000000	0.000000
TRANS-1,2-DICHLOROETHYL	13	0.0010000	0	0.000000	0.000000	0.000000
1,1,1-TRICHLOROETHANE	13	0.0020000	0	0.000000	0.000000	0.000000
1,1,2-TRICHLOROETHANE	13	0.0010000	0	0.000000	0.000000	0.000000
TRICHLOROETHYLENE	13	0.0010000	0	0.000000	0.000000	0.000000
VINYL CHLORIDE	13	0.0010000	0	0.000000	0.000000	0.000000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 2
Site Name: MASSACHUSETTS BAY DISPOSAL SITE
Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 12161 feet.

Center of Site is:
42E25'06" N 070E35'00" W
Depth(ft): Low Depth- 272 High Depth- 302
Nearest Distance from shore (nm): 11.5

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material which meets the requirements of the MPRSA and its accompanying regulations. Disposal-and-capping is prohibited at the MBDS until its efficacy can be effectively demonstrated.
updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 167
Site Name: MASS BAY REFERENCE (1992 AND LATER)

Geographical position (NAD 1927)

42E22'42.0" N 070E30'18.0" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
Ampelisca abdita

17. Bioassay Bioaccumulation Information (Organisms Tested):
    Macoma nasuta
    Nereis virens

18. General Comments

    #199901259.
    % fines reported as "% silt".

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NAE [DS= 2472]

2. Permit start date/expire date: (Permitted Project)
   Location: MOBIL OIL
   Date issued: 12/08/98 Expire Date: 09/29/00

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. FORE RIVER, SOUTH PORTLAND, ME

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   CLUMPED or COHESIVE

6. Total quantity (cubic meters): 12,000

7. Expected frequency of dumping (for reporting period):
   a. 2 PER WEEK
   b. Actual start: 02/24/99
   c. Actual completion: 03/31/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
MERCURY	4	0.0000000	4	0.167000	0.340000	0.240000
CADMIUM	4	0.0300000	3	0.040000	0.240000	0.120000
LEAD	4	0.0000000	4	17.600000	56.600000	40.500000
CHROMIUM	4	0.0000000	4	33.700000	38.200000	36.180000
COPPER	4	0.0000000	4	16.000000	33.600000	24.630000
NICKEL	4	0.0000000	4	22.700000	25.200000	23.680000
ZINC	4	0.0000000	4	79.800000	120.000000	102.450000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	4	0.0200000	0	0.000000	0.000000	0.000000
CHLORDANE	4	0.0200000	0	0.000000	0.000000	0.000000
DIELDRIN	4	0.0200000	0	0.000000	0.000000	0.000000
ENDOSULFAN	4	0.0200000	0	0.000000	0.000000	0.000000
DDD	4	0.0200000	0	0.000000	0.000000	0.000000
DDE	4	0.0200000	0	0.000000	0.000000	0.000000
DDT	4	0.0200000	0	0.000000	0.000000	0.000000
ENDRIN	4	0.0200000	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	4	0.0200000	0	0.000000	0.000000	0.000000
HEPTACHLOR	4	0.0200000	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	4	0.0200000	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	4	0.0200000	0	0.000000	0.000000	0.000000
BETA-LINDANE	4	0.0200000	0	0.000000	0.000000	0.000000
DELTA-LINDANE	4	0.0200000	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	4	0.0200000	0	0.000000	0.000000	0.000000
METHOXYCHLOR	4	0.0200000	0	0.000000	0.000000	0.000000
TOXAPHENE	4	0.0200000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AROCHLOR 1016	3	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1221	3	0.0110000	0	0.000000	0.000000	0.000000
AROCHLOR 1232	3	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1242	3	0.0130000	0	0.000000	0.000000	0.000000
AROCHLOR 1254	3	0.0000000	0	0.000000	0.000000	0.000000
AROCHLOR 1260	3	0.0100000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
NAPHTHALENE	4	0.0000000	4	0.019000	0.960000	0.270000
BENZO(A)ANTHRACENE	4	0.0000000	4	0.190000	0.560000	0.380000
BENZO(B)FLUORANTHENE	4	0.0000000	4	0.240000	0.740000	0.488000
ACENAPHTHYLENE	4	0.0000000	4	0.026000	0.092000	0.060000
CHRYSENE	4	0.0000000	4	0.180000	0.640000	0.420000
BENZO(K)FLUORANTHENE	4	0.0000000	4	0.110000	0.240000	0.178000
ACENAPHTHENE	4	0.1000000	3	0.047000	0.180000	0.070000
FLUORANTHENE	4	0.0000000	4	0.200000	0.860000	0.610000
BENZO(GHI)PERYLENE	4	0.0000000	4	0.088000	0.290000	0.190000
FLUORENE	4	0.0000000	4	0.016500	0.180000	0.080000
PYRENE	4	0.0000000	4	0.370000	1.100000	0.770000
ANTHRACENE	4	0.0000000	4	0.037000	0.180000	0.120000
BENZO(A)PYRENE	4	0.0000000	4	0.190000	0.640000	0.400000
INDENO(1,2,3-CD)PYRENE	4	0.0000000	4	0.097000	0.300000	0.210000
PHENANTHRENE	4	0.0000000	4	0.072000	0.430000	0.310000
DIBENZE(A,H)ANTHRACENE	4	0.0000000	4	0.023000	0.063000	0.050000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL SOLIDS	4	0.0000000	4	51.000000	64.000000	57.000000
TOTAL ORGANIC CARBON	4	0.0000000	4	1.400000	2.200000	1.830000
% SAND	8	0.0000000	8	5.300000	28.400000	18.990000
% SILT	8	0.0000000	8	71.600000	94.700000	80.890000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 76
Site Name: PORTLAND
Geographical position: (NAD 1927)

Center of Site is:
43E43'36.4" N 70E02'39.5" .W 43E33'36.3" N 70E02'39.5" W
43E33'36.2" N 70E01'16.9" W 43E43'36.4" N 70E02'39.5" W
0EEE"' .." N 0E0E0"' . " W
Depth(ft): Low Depth- 136 High Depth- 226
Nearest Distance from shore (nm): 7.1

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material.
latitude/longitude updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 169
Site Name: PORTLAND REFERENCE

Geographical position:
43E38'36.0" N 069E59'00.6" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

This project contains new and maintenance work.
#199803142
% fines reported as "%silt"

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NAE [DS= 2473]

2. Permit start date/expire date: (Permitted Project)
   Location: ENTERGY
   Date issued: 03/17/97 Expire Date: 03/13/97

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. PILGRIM NUCLEAR POWER PLANT, PLYMOUTH, MA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   CLUMPED or COHESIVE

6. Total quantity (cubic meters): 32,300

7. Expected frequency of dumping (for reporting period):
   a. 4 PER WEEK
   b. Actual start: 10/26/99
   c. Actual completion: 12/09/99

8. Composition of the dredged material.

CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 1997

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 2
    Site Name: MASSACHUSETTS BAY DISPOSAL SITE
    Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 12161 feet.

Center of Site is:
42E25'06" N 070E35'00" W
Depth(ft): Low Depth- 272 High Depth- 302
Nearest Distance from shore (nm): 11.5

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material which meets the requirements of the MPRSA and its accompanying regulations. Disposal-and-capping is prohibited at the MBDS until its efficacy can be effectively demonstrated.
updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 167
Site Name: MASS BAY REFERENCE (1992 AND LATER)

Geographical position (NAD 1927)

42E22'42.0" N 070E30'18.0" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

#199302464.
The permittee for this project was formerly Boston Edison.

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SAW [DS= 2476]

2. Permit start date/expire date: (Permitted Project)
   Location: MILITARY OCEAN TERMINAL, SUNNY POINT
   Date issued: 05/15/99 Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. MILITARY OCEAN TERMINAL, SUNNY POINT

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 508,100

7. Expected frequency of dumping (for reporting period):
   a. 5L/D,7D/WK
   b. Actual start: 02/14/99
   c. Actual completion: 03/25/99

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR
   Material was EXCLUDED from testing

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.165
    Site Name: WILMINGTON HARBOR 1985 -
    Geographical position: (NAD 1927)

    33E49'30.0" N 078E03'06.0" W 33E48'18.0" N 078E01'39.0" W
    33E47'19.0" N 078E02'48.0" W 33E48'30.0" N 078E04'16.0" W

    Depth(ft): Low Depth- 43 High Depth- 0
    Nearest Distance from shore (nm): 3.0

General Comments About The Disposal Site
Restriction: Disposal shall be limited to the dredged material from Wilmington Harbor area.
This site is inside the boundries of the old Wilimington Harbor Interim site.
Final Designation 08/03/1987

Reference Site Location:
Site No: 196
Site Name: WHREF

Geographical position (NAD 1927)

33E46'52.7" N 078E03'26.5" W 33E46'26.2"N 078E02'53.6" W
33E45'47.0" N 078E03'37.3" W 33E46'14.4"N 078E04'11.3" W
0E0'0" N 0E0'0" W

Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 3.5

General Comments About The Reference Site
added by Jenny Owens, 10/23/1997

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Dredge used for this work was Eagle I.

19. Point of Contact: PHIL PAYONK 910-251-4757

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SPL [DS= 2491]

2. Permit start date/expire date: (Permitted Project)
   Location: NEWPORT HARBOR NAUTICAL MUSEUM
   Date issued: 02/16/99 Expire Date: 02/16/01

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. LOWER NEWPORT BAY, ORANGE COUNTY, CA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE
      DUMP SCOW OR BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 2,300

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 11/08/99
   c. Actual completion: 11/12/99

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR
   Material was EXCLUDED from testing

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: PIPE BELOW WATER SURFACE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 17
    Site Name: NEWPORT BEACH (LA-3)
    Geographical position: (NAD 1927)

Disposal site is a circle with a diameter of 1440 feet.

Center of Site is:
33E31'42.0" N 117E51'18.0" W
Depth(ft): Low Depth- 1500 High Depth- 0
Nearest Distance from shore (nm): 4.3

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

File No.990005400 - Rams.

19. Point of Contact: RUSSELL KAISER 213-452-3293

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SPL [DS= 2492]

2. Permit start date/expire date: (Permitted Project)
   Location: RICHARD ANDERSON, SEAL BEACH NAVAL WEAPONS STATION
   Date issued: 09/27/99 Expire Date: 03/31/00

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. ANAHEIM BAY HARBOR

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 66,100

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 09/15/99
   c. Actual completion: 12/21/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Wet Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	4	0.1000000	4	2.000000	5.400000	3.825000
CADMIUM	4	0.1000000	3	0.230000	0.460000	0.376700
LEAD	4	0.1000000	0	6.200000	54.000000	25.975000
CHROMIUM	4	0.1000000	4	9.800000	29.100000	19.675000
COPPER	4	0.1000000	4	6.000000	29.500000	17.825000
NICKEL	4	0.1000000	4	7.100000	18.200000	12.500000
ZINC	4	0.1000000	4	25.900000	84.600000	57.550000
SELENIUM	4	0.1000000	2	2.600000	2.800000	2.700000
SILVER	4	0.1000000	2	0.210000	0.250000	0.230000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	4	0.0260000	0	0.000000	0.000000	0.000000
CHLORDANE	4	0.0030000	0	0.000000	0.000000	0.000000
ALPHA-CHLORDANE	4	0.0030000	0	0.000000	0.000000	0.000000
BETA-CHLORDANE	4	0.0030000	0	0.000000	0.000000	0.000000
DIELDRIN	4	0.0030000	0	0.000000	0.000000	0.000000
ENDOSULFAN	4	0.0030000	0	0.000000	0.000000	0.000000
DDD	4	0.0030000	0	0.000000	0.000000	0.000000
DDE	4	0.0030000	0	0.000000	0.000000	0.000000
DDT	4	0.0030000	0	0.000000	0.000000	0.000000
ENDRIN	4	0.0030000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PCB	4	0.0000000	0	1.700000	25.700000	12.775000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PAH	4	0.0260000	2	0.043000	1.448000	0.745500
NAPHTHALENE	4	0.0260000	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	4	0.0260000	1	0.130000	0.130000	0.130000
BENZO(B)FLUORANTHENE	4	0.0260000	1	0.124000	0.124000	0.124000
ACENAPHTHYLENE	4	0.0260000	0	0.000000	0.000000	0.000000
CHRYSENE	4	0.0260000	1	0.200000	0.200000	0.200000
BENZO(K)FLUORANTHENE	4	0.0260000	1	0.109000	0.109000	0.109000
ACENAPHTHENE	4	0.0260000	0	0.000000	0.000000	0.000000
FLUORANTHENE	4	0.0260000	1	0.088000	0.088000	0.088000
BENZO(GHI)PERYLENE	4	0.0260000	0	0.000000	0.000000	0.000000
FLUORENE	4	0.0260000	0	0.000000	0.000000	0.000000
PYRENE	4	0.0260000	2	0.043000	0.521000	0.282000
ANTHRACENE	4	0.0260000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	4	0.0260000	1	0.124000	0.124000	0.124000
INDENO(1,2,3-CD)PYRENE	4	0.0260000	1	0.029000	0.029000	0.029000
PHENANTHRENE	4	0.0260000	1	0.044000	0.044000	0.004400
DIBENZE(A,H)ANTHRACENE	4	0.0260000	0	0.000000	0.000000	0.000000

TINS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TRIBUTYLTIN	4	0.0013000	0	0.000000	0.000000	0.000000
DIBUTYLTIN	4	0.0013000	0	0.000000	0.000000	0.000000
MONOBUTYLTIN	4	0.0013000	0	0.000000	0.000000	0.000000
TOTAL ORGANOTIN	4	0.0013000	2	0.007100	0.014900	0.011000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% TOTAL VOLATILE SOLIDS	4	0.1000000	4	0.600000	1.700000	1.150000
OIL + GREASE	4	3.0000000	4	4.700000	6.800000	5.775000
TOTAL SULFIDES	4	0.1000000	4	57.600000	75.100000	66.425000

BASE NEUTRALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
DIETHYL PHTHALATE	4	0.0130000	0	0.000000	0.000000	0.000000
DIMETHYL PHTHALATE	4	0.0130000	0	0.000000	0.000000	0.000000
DI-N-OCTYL PHTHALATE	4	0.0130000	0	0.000000	0.000000	0.000000

ACID VOLATILES

2-CHLOROPHENOL	4	0.0260000	0	0.000000	0.000000	0.000000
2,4-DICHLOROPHENOL	4	0.0260000	0	0.000000	0.000000	0.000000
2,4-DIMETHYLPHENOL	4	0.0260000	0	0.000000	0.000000	0.000000
2,4-DINITROPHENOL	4	0.1280000	0	0.000000	0.000000	0.000000
4-NITROPHENOL	4	0.0260000	0	0.000000	0.000000	0.000000
2,4,6-TRICHLOROPHENOL	4	0.0260000	0	0.000000	0.000000	0.000000
BIS(2-ETHYLHEXYL)PHTHAL	4	0.0130000	0	0.000000	0.000000	0.000000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 36
    Site Name: LOS ANGELES/LONG BEACH (LA-2)
    Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 6000 feet.

Center of Site is:
33E37'06.0" N 118E17'24.0" W
Depth(ft): Low Depth- 380 High Depth- 1060
Nearest Distance from shore (nm): 5.2

General Comments About The Disposal Site
Restrictions: Disposal shall be limimted to dredged materials that comply with EPA's Ocean Dumping Regulations.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
    Seasonal restrictions were enforced
    Site Monitoring was performed
    Chemical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
    No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Rams file no. 1999-15673

19. Point of Contact: RUSSELL KAISER 213-452-3293

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SPL [DS= 2495]

2. Permit start date/expire date: (Permitted Project)
   Location: PORT OF LONG BEACH
   Date issued: 02/01/99 Expire Date: 02/01/04

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. PORT OF LONG BEACH, LONG BEACH, LOS ANGELES COUNTY, CA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 1,812,100

7. Expected frequency of dumping (for reporting period):
   a. 12 HOURS
   b. Actual start: 04/05/99
   c. Actual completion: 12/31/99

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Not Known if data calculated on a Wet or Dry Basis)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	14	.0000000	14	4.7000000	25.0000000	12.8700000
MERCURY	14	.0000000	0	.0000000	.0000000	.0000000
CADMIUM	14	.0000000	14	.0600000	.5000000	.1900000
LEAD	14	.0000000	14	.2500000	2.8000000	.6700000
CHROMIUM	14	.0000000	8	.2000000	.3300000	.1700000
COPPER	14	.0000000	14	.7300000	7.5000000	2.2200000
NICKEL	14	.0000000	14	.1900000	1.8000000	.8000000
ZINC	14	.0000000	14	2.2000000	11.0000000	5.6300000
SELENIUM	14	.0000000	0	.0000000	.0000000	.0000000
SILVER	14	.0000000	3	.0500000	.0800000	.0400000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALPHA-CHLORDANE	14	0.0000000	0	0.000000	0.000000	0.000000
DIELDRIN	14	0.0000000	0	0.000000	0.000000	0.000000
ENDOSULFAN	14	0.0000000	0	0.000000	0.000000	0.000000
ALPHA-ENDOSULFAN	14	0.0000000	0	0.000000	0.000000	0.000000
BETA-ENDOSULFAN	14	0.0000000	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	14	0.0000000	0	0.000000	0.000000	0.000000
DDD	14	0.0000000	0	0.000000	0.000000	0.000000
DDE	14	0.0000000	0	0.000000	0.000000	0.000000
DDT	14	0.0000000	0	0.000000	0.000000	0.000000
ENDRIN	14	0.0000000	0	0.000000	0.000000	0.000000
HEPTACHLOR	14	0.0000000	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	14	0.0000000	0	0.000000	0.000000	0.000000
LINDANE	14	0.0000000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AROCHLOR 1016	14	0.0000000	0	0.000000	0.000000	0.000000
AROCHLOR 1221	14	0.0000000	0	0.000000	0.000000	0.000000
AROCHLOR 1232	14	0.0000000	0	0.000000	0.000000	0.000000
AROCHLOR 1242	14	0.0000000	0	0.000000	0.000000	0.000000
AROCHLOR 1248	14	0.0000000	0	0.000000	0.000000	0.000000
AROCHLOR 1254	14	0.0000000	0	0.000000	0.000000	0.000000
AROCHLOR 1260	14	0.0000000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
NAPHTHALENE	14	0.0000000	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	14	0.0000000	0	0.000000	0.000000	0.000000
BENZO(B)FLUORANTHENE	14	0.0000000	0	0.000000	0.000000	0.000000
ACENAPHTHYLENE	14	0.0000000	0	0.000000	0.000000	0.000000
CHRYSENE	14	0.0000000	0	0.000000	0.000000	0.000000
BENZO(K)FLUORANTHENE	14	0.0000000	0	0.000000	0.000000	0.000000
ACENAPHTHENE	14	0.0000000	0	0.000000	0.000000	0.000000
FLUORANTHENE	14	0.0000000	0	0.000000	0.000000	0.000000
BENZO(GHI)PERYLENE	14	0.0000000	0	0.000000	0.000000	0.000000
FLUORENE	14	0.0000000	0	0.000000	0.000000	0.000000
PYRENE	14	0.0000000	0	0.000000	0.000000	0.000000
ANTHRACENE	14	0.0000000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	14	0.0000000	0	0.000000	0.000000	0.000000
INDENO(1,2,3-CD)PYRENE	14	0.0000000	0	0.000000	0.000000	0.000000
PHENANTHRENE	14	0.0000000	0	0.000000	0.000000	0.000000
DIBENZE(A,H)ANTHRACENE	14	0.0000000	0	0.000000	0.000000	0.000000

ACID VOLATILES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PHENOLS	14	0.0000000	0	0.000000	0.000000	0.000000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE
DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 36
Site Name: LOS ANGELES/LONG BEACH (LA-2)
Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 6000 feet.

Center of Site is:
33E37'06.0" N 118E17'24.0" W
Depth(ft): Low Depth- 380 High Depth- 1060
Nearest Distance from shore (nm): 5.2

General Comments About The Disposal Site
Restrictions: Disposal shall be limimted to dredged materials that comply with EPA's Ocean Dumping Regulations.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Please note. Standard EPA values were used for reporting detection limits. Unless indicated in form, no detects were recorded in findings. If detects were reported, then detection limits were provided with other data.

19. Point of Contact: RUSSELL KAISER 213-452-3293

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SPL [DS= 2496]

2. Permit start date/expire date: (Permitted Project)
   Location: ORANGE COUNTY BEACHES & HARBORS
   Date issued: 10/01/97 Expire Date: 10/01/00

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. UNIT III, UPPER NEWPORT BAY, ORANGE CTY, CA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 252,300

7. Expected frequency of dumping (for reporting period):
   a. 24 HOUR
   b. Actual start: 01/01/99
   c. Actual completion: 04/15/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 17
    Site Name: NEWPORT BEACH (LA-3)
    Geographical position: (NAD 1927)

Disposal site is a circle with a diameter of 1440 feet.

Center of Site is:
33E31'42.0" N 117E51'18.0" W
Depth(ft): Low Depth- 1500 High Depth- 0
Nearest Distance from shore (nm): 4.3

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
Seasonal restrictions were enforced
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Unit III Project. Orange Cty Lead. Project continuance from 1998. Total project volume. 859240 + 102,000. Season restriction due to ESA species. Cal least tern and Light-footed clapper Rail. RAMS file no. 97-000184-MFS.

19. Point of Contact: RUSSELL KAISER 213-452-3293

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SPL [DS= 2497]

2. Permit start date/expire date: (Permitted Project)
   Location: PORT OF LONG BEACH
   Date issued: 05/28/99 Expire Date: 05/28/02

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. PORT OF LONG BEACH, LOS ANGELES CTY, CA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 93,000

7. Expected frequency of dumping (for reporting period):
   a. ALL YEAR
   b. Actual start: 01/01/99
   c. Actual completion: 12/31/99

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR
   Material was EXCLUDED from testing

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 36
    Site Name: LOS ANGELES/LONG BEACH (LA-2)
    Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 6000 feet.

Center of Site is:
33E37'06.0" N 118E17'24.0" W
Depth(ft): Low Depth- 380 High Depth- 1060
Nearest Distance from shore (nm): 5.2

General Comments About The Disposal Site
Restrictions: Disposal shall be limimted to dredged materials that comply with EPA's Ocean Dumping Regulations.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

This file was transferred to our Ventura Field Office. File was not able to be retrieved - still trying to track it down. Until I am able to track it down, I am not able to enter the sediment-chemistry data.

19. Point of Contact: RUSSELL KAISER 213-452-3293

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SPL [DS= 2498]

2. Permit start date/expire date: (Permitted Project)
   Location: CITY OF NEWPORT BEACH
   Date issued: 02/04/99 Expire Date: 08/29/99

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. LOWER NEWPORT BAY

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 100

7. Expected frequency of dumping (for reporting period):
   a. 12 HOUR
   b. Actual start: 03/01/99
   c. Actual completion: 03/05/99

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR
   Material was EXCLUDED from testing

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 17
    Site Name: NEWPORT BEACH (LA-3)
    Geographical position: (NAD 1927)

Disposal site is a circle with a diameter of 1440 feet.

Center of Site is:
33E31'42.0" N 117E51'18.0" W
Depth(ft): Low Depth- 1500 High Depth- 0
Nearest Distance from shore (nm): 4.3

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
Seasonal restrictions were enforced
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Dock maintenance work.

19. Point of Contact: RUSSELL KAISER 213-452-3293

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SPL [DS= 2499]

2. Permit start date/expire date: (Permitted Project)
   Location: ORANGE COUNTY
   Date issued: 04/30/96 Expire Date: 10/25/99

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. NEWPORT DUNES, NEWPORT BAY, ORANGE CTY, CA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 17,600

7. Expected frequency of dumping (for reporting period):
   a. 12 HOUR
   b. Actual start: 11/25/99
   c. Actual completion: 12/31/99

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR
   Material was EXCLUDED from testing

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 17
    Site Name: NEWPORT BEACH (LA-3)
    Geographical position: (NAD 1927)

Disposal site is a circle with a diameter of 1440 feet.

Center of Site is:
33E31'42.0" N 117E51'18.0" W
Depth(ft): Low Depth- 1500 High Depth- 0
Nearest Distance from shore (nm): 4.3

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Case currently in legal suit. Carry-over project from 1997/8.
Little work effort conducted in 1999. Per Tom Rossmiller, Cty of Orange, Coastal Engineer, Dredge Team Leader.
File No. 96-0016100-VW.

19. Point of Contact: RUSSELL KAISER 213-452-3293

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SPL [DS= 2500]

2. Permit start date/expire date: (Permitted Project)
   Location: ORANGE COUNTY
   Date issued: 05/20/98 Expire Date: 05/20/01

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. DANA POINT, ORANGE CTY, CA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 1,500

7. Expected frequency of dumping (for reporting period):
   a. 12 HOUR
   b. Actual start: 05/24/99
   c. Actual completion: 06/01/99

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR
   Material was EXCLUDED from testing

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE
    DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 17
    Site Name: NEWPORT BEACH (LA-3)
    Geographical position: (NAD 1927)

Disposal site is a circle with a diameter of 1440 feet.

Center of Site is:
33E31'42.0" N 117E51'18.0" W
Depth(ft): Low Depth- 1500 High Depth- 0
Nearest Distance from shore (nm): 4.3

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Rams file no. 97-000-088 (RS). Project extension. Approximately 10,000 additional cubic yards went to beach nourishment.

19. Point of Contact: RUSSELL KAISER 213-452-3293

Material Considered For But Not disposed Of In The Ocean

Quantity of material (Cubic Meters) not disposed: 7,600

Reasons material was not disposed:

Other

Disposition Of All Material Not Disposed Of In The Ocean:

Beneficial Use

The following beneficial uses were implemented:

Beach Nourishment

Miscellaneous Comments Concerning Non-Ocean Disposed Material

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: SPL [DS= 2502]

2. Permit start date/expire date: (Permitted Project)
   Location: US NAVY
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. P-549, SAN DIEGO BAY, SAN DIEGO COUNTY, CA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 1,210,100

7. Expected frequency of dumping (for reporting period):
   a. 12 HOURS
   b. Actual start: 01/01/99
   c. Actual completion: 12/30/99

8. Composition of the dredged material.
   NO CHEMICAL DATA EXISTS FOR THIS PROJECT

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 38
    Site Name: SAN DIEGO 100 FATHOM (LA-5)
    Geographical position: (NAD 1927)

Disposal site is a circle with a diameter of 6000 feet.

Center of Site is:
32E36'50.0" N 117E20'40.0" W
Depth(ft): Low Depth- 460 High Depth- 660
Nearest Distance from shore (nm): 6.0

General Comments About The Disposal Site
Restrictions: Disposal shall be limited to dredged materials that comply with EPA's Ocean Dumping Regulations and Corps Permitting Regulations.
Coordinates modified 9/24/96 per David Zoutendyk.

Reference Site Location:
Site No: 191
Site Name: SAN DIEGO REFERENCE SITE

Geographical position:

Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

General Comments About The Reference Site
Added by David Zoutendyk on 9/24/96.

14. Disposal Site Management:
Selective Disposal was used
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

carry over project - homeport project.

19. Point of Contact: RUSSELL KAISER 213-452-3293

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NWP [DS= 2414]

2. Permit start date/expire date: (Permitted Project)
   Location: ROSEBURG FOREST PRODUCTS
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. ROSEBURG FOREST PRODUCTS

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 16,800

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 11/01/99
   c. Actual completion: 11/12/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 49
    Site Name: COOS BAY ENTRANCE F (PRE 1989)
    Geographical position: (NAD 1927)

43E22'44.0" N 124E22'18.0" W 43E22'29.0" N 124E21'34.0" W
43E22'16.0" N 124E21'42.0" W 43E22'31.0" N 124E22'26.0" W

Depth(ft): Low Depth- 79 High Depth- 0
Nearest Distance from shore (nm): 1.0

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: TIM SHERMAN 503-808-4884

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NWP [DS= 2415]

2. Permit start date/expire date: (Permitted Project)
   Location: PORT OF COOS BAY
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. COOS BAY DOCKS

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 6,700

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 11/01/99
   c. Actual completion: 11/12/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 61
    Site Name: COOS BAY SITE H
    Geographical position: (NAD 1927)

43E23'53.0" N 124E22'48.0" W 43E23'42.0" N 124E23'01.0" W
43E24'16.0" N 124E23'26.0" W 43E24'05.0" N 124E23'38.0" W

Depth(ft): Low Depth- 164 High Depth- 0
Nearest Distance from shore (nm): 3.7

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material in the Coos Bay area of type 2 and 3, as defined in the site designation final EIS.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: TIM SHERMAN 503-808-4884

Report of Ocean Dumping Permits - CY 1999

1. Issuing Authority- District: NWP [DS= 2423]

2. Permit start date/expire date: (Permitted Project)
   Location: CHIP TERMINAL
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. COOS BAY

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 6,700

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 11/01/99
   c. Actual completion: 11/12/99

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 61
    Site Name: COOS BAY SITE H
    Geographical position: (NAD 1927)

43E23'53.0" N 124E22'48.0" W 43E23'42.0" N 124E23'01.0" W
43E24'16.0" N 124E23'26.0" W 43E24'05.0" N 124E23'38.0" W

Depth(ft): Low Depth- 164 High Depth- 0
Nearest Distance from shore (nm): 3.7

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material in the Coos Bay area of type 2 and 3, as defined in the site designation final EIS.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: TIM SHERMAN 503-808-4884